A SUMMARY OF

COMITAL

PLANT-DISTRIBUTION,

ADDITIONAL TO THAT DETAILED IN

TOPOGRAPHICAL BOTANY:

BEING AN ENUMERATION OF THE NEW COUNTY RECORDS, PUBLISHED BY THE BOTANICAL RECORD CLUB,

1873—1878.

TO WHICH ARE ADDED THOSE APPEARING IN THE BOTANICAL EXCHANGE CLUB REPORTS,

1867—1877.

COMPILED BY

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Recorder to the Bot. Loc. Record Club.

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A SUMMARY OF

COUNTY DISTRIBUTION

ADDITITIONAL TO 'TOPOGRAPHICAL BOTANY.'

Introductory and Explanatory.

In presuming to present the student of plant-distribution with a Summary which is practically a Supplement to Mr. Watson's latest Work, some explanation will doubtless be expected from the compiler in justification of the *principle* upon which selection of records has been made: consisting, as the Summary does, merely of an enumeration, in systematic form, of those native British Flowering Plants and Ferns, to the distribution of which (as laid down in *Topographical Botany*) one or more new counties have been added.

To render such a collection even approximately complete, something seemed advisable beyond a bald *resumé* of the counties added by the Botanical Record Club during its first quinquennial—although more numerous than all those elsewhere-published put together; and yet a glance over the sea of Journalistic records shewed 'rocks ahead' by no means easy to avoid, and giving but small hope of bringing to port a cargo whose component parts should have an equal value, unless some fixed course might be strictly followed by which reliability of record should be in no danger of wreckage from an overloading of the Summary with items intended to give it weight and symmetry. Only after long consideration it was decided that *the line of inclusion should be drawn at specimen-vouched notices:* thus admitting on terms of equality with those of the Record Club

Reports *only* such as the Botanical Exchange Club has published. By doing this a line of safety seemed easiest kept, and the spirit of *Topographical Botany* most nearly adhered to.

The reasons coercing the compiler to draw the line thus—in drawing it at all—are sufficiently obvious. The specimens upon which are based such additional comital records as the Exchange Club has registered, differ widely from the bulk of those in botanical literature generally, inasmuch as they are not usually solitary examples; and, further, having all passed the scrutiny of such competent observers as Professor Babington, Mr. Baker, Dr. Boswell. Mr. Briggs and Mr. Pryor, the likelihood of correct nomenclature is raised to a maximum. Besides this, to have attempted more than the one addition ventured on would have made it very difficult to fix any practicable or justifiable line of exclusion; and, wherever drawn, offence—through an implied untrustworthiness of what was rejected—would inevitably have been given somewhere.

It needed some little firmness, however, to resist the temptation to make an exception in the case of such additions to *Topographical Botany* as have chanced to alone appear (not sent ultimately to the Exchange or Record Club) in the one official Journal of Botany in Britain; but the necessity for avoidance of all invidious distinction, coupled with the fact that the records to be found only in that Journal are very few indeed, should surely reconcile those for whom this compilation is intended, to their exclusion, in pursuance of a fixed principle. If some little matter of value has been lost by such rigid adherence to rule, the gain in trustworthiness possibly more than compensates for it; and, in any case, to have made the summary a general repertory of *all* the additions to *Top. Bot.*, 'reported' since 1873, would have entailed labour as prolonged and difficult as it would certainly have been thankless (since uncalled for) and wasted.

It only remains to say that, as in *Top. Bot.*, only species thought to be native in some at least of the counties they occur

in, are dealt with—no note being taken of such as are quasi-wild or undoubtedly alien everywhere in Britain; and that the plan and method after which their distribution is expressed, purposely imitates that of *Topographical Botany* itself. Under the number and name (those of the *sixth* Edition of the *London Catalogue of Plants*) of the species, the known range of which has been extended, the comital extension is indicated by the numbers of the counties on Mr. Watson's *Outline Map*, and by the names also—the one affording a check against (or possibly indication of) error in the other; after which is given in the case of Locality Club records the name of the collector in such county, as that of the 'personal authority' standing sponsor for its bona-fide occurrence. When, however, the additions relate to very common species, presumably occurring in every county, hitherto unrecorded simply because overlooked, the county reference is made by giving its number only. This curtailment is made to save space; and for such well-nigh ubiquitous species (but for them only) the Catalogues of Common Plants, contributed to the Record Club for Breconshire, Radnor, Merioneth, Selkirkshire, Stirling, and the Mid-Ebudes islands, by competent botanists, are sometimes quoted; although the species in those catalogues are not in every case represented by specimens. There seemed to the compiler no danger in using them for such plants as *Anemone nemorosa* or *Asplenium Trichomanes*, since if the contributors may not be trusted in regard to such well-known species they are unfit to draw up catalogues at all. Basis-lists for the counties named were lacking whilst *Top. Bot.* was being compiled, but had they been forthcoming would doubtless have been accepted by Mr. Watson; and, in such a Summary as this, *not* to put them to the legitimate use for which they were supplied, viz. in completion of the scaffolding of *Topographical Botany*, would seem an excess of caution amounting to almost absurd timidity.

The numbers, where solely used to indicate the range of common species, have been sufficiently scrutinized in 'proof,' that no

error might creep in; and the county intended by each one will be disclosed, by a glance over adjacent pages (where distribution is indicated in full) until the number wanted is seen in juxtaposition with the shire for which it serves as a numerical synonym. For these very common species, too, quotation of the personal sponsor has been thought unnecessary: those who wish to know it, or are curious as to the locality in the county for which it is stylable 'New,' will have to refer back to that one of the five B. L. R. C. Reports wherein it was first published. Stational record, as distinguished from comital, forms no part of the plan of this Summary.

County additions extracted from the Reports of the *Exchange Club* meet with a somewhat different treatment, advisedly to distinguish them. Mostly relating to critical species they are nowhere made use of without indication of their source. They will be found incorporated with the other records, in due order; but in place of the collector's surname after the shire in which found, the general—not the personal—source of the record is preferentially shewn by the abbreviations (varied to get the quotation into the half line) of Ex. C. Rep., E. C. Rep., or E. C. R., and the date of the Report (contracted to two figures) in which the county addition in question can be found. The space at disposal would not serve for indication of *both* dated 'Fact' *and* 'Authority'—so, like as when in other conjunctions the claims of the two are opposed, the latter yields place to the former.

Only one abbreviated indication of a 'personal authority' is ventured on. The mark of exclamation (!) appended in fifty or sixty instances to the name of a shire (or its corresponding numeral) is intended to serve as a second personal authority—that of the writer: indicating that the compiler has also seen it himself in the area in question. The corroboration may be held to have little value, seeing that an actual specimen is the basis of the original record; but is, perhaps, permissible as it occupies no more space than a Period would do, and may occasionally even prove useful.

SUMMARY.

1 Clematis Vitalba.
50 Denbigh. Bailey.

2 Thalictrum alpinum.
03 Ebudes mid. Ross.

3 T. flexuosum.
48 Merioneth. Bailey.
64 York mid w. Cheesman.
65 York north w. Lees.
80 Roxburgh. Brotherston.

3 T. maritimum.
44 Carmarthen. Jones.
54 Lincoln north. Fowler.
98 Argyle. Ross.

4 T. flavum.
32 Northton. Druce.
53 Lincoln south. Fowler.

5 Anemone Pulsatilla.
54 Lincoln north. Fowler.

6 A. nemorosa.
Counties 43, 53, 60, 79, and 103.

9 Adonis autumnalis.
20 Herts.† Blow.
80 Roxburgh.* Brotherston.

11 Ranunculus trichophyllus.
14 Sussex east. Roper.
20 Herts. Blow.
30 Bedford. Blow.
32 Northton. Druce.
33 Gloster east. Duthie.
80 Roxburgh. Brotherston.
54 Lincoln north. Lees.

11 R. Drouetii.
2 Cornwall east. Tellam.
16 Kent west. Groves.
54 Lincoln north. Blow.
63 York south-west. Carr.
64 York mid-west. Lees.

11 R. circinatus.
42 Brecon. Ley.
64 York mid-west. Lees.

11 R. Godronii.
20 Herts. Blow.
21 Middlesex. Blow.
63 York south-west. Carr.
64 York mid-west. Webster.
80 Roxburgh. Brotherston.

11 R. Baudotii.
2 Cornwall east. Tellam.
5 Somerset south. Blow.
16 Kent west. H. Groves.
53 Lincoln south. Fowler.
54 Linc. n. Fowler and Blow.

11 R. fluitans.
3 Devon south. Rossall.
54 Lincoln north. Fowler.
63 York south-west. Carr.
64 York mid-west. W. West.
70 Cumberland. Hodgson.

11 **R. tripartitus, DC.**
2 Corn. east. Tellam. *Type.*
14 Sus. e. Roper. Var. *interm.*

12 **R. Lenormandi.**
34 Gloster west. Ley.

14 **R. Ficaria.**
Counties 43, 47, 48, 53, 60, 69 ! 79, 86, and 103.

15 **R. Flammula.**
Counties 43, 47, 48, 79, 86 & 103.

16 **R. Lingua.**
8 Wilts south. Hussey.
53 Linc. s. Fowler and Lees.

18 **R. auricomus.**
53 Lincoln south. Lees.
79 Selk. Farquharson *cat.*

21 **R. bulbosus.**
Cos. 43, 53 !, 60, 69, 79, 86, 103.

22 **R. hirsutus.**
63 York south-west. Parsons.
80 Roxburgh.† Brotherston.
81 Berwick.† Brotherston.

23 **R. sceleratus.**
Counties 60, 86, and 103.

25 **R. arvensis.**
80 Roxburgh.* Brotherston.

26 **Caltha palustris.**
Counties 43, 48, 60, 79, 86 & 103.

26 **C. Guerangerii.**
3 Devon s. E. C. Rep. 1876.
36 Hereford. Ley.

27 **Trollius europæus.**
79 Sekirk. Farquharson *cat.*
03 Ebudes m. (Mull.) Ross.

30 **Helleborus fœtidus.**
81 Berwick.* Brotherston.

31 **Aquilegia vulgaris.**
43 Radnor. Ley *cat.*
(79 Selk.* Farquharson *cat.*)

35 **Berberis vulgaris.**
5 Somerset south.† Parsons.

36 **Nymphæa alba.**
79 Selkirk. Farquharson *cat.*
86 Stirling.* Croall.
103 Mull. Ross *cat.*

37 **Nuphar lutea.**
60 Lanc. west ! Linton *cat.*
79 Selkirk. Farquharson *cat.*
86 Stirling. Croall.
103 Eb. m. (Mull.) Ross *cat.*

41 **Papaver Lecoqii.**
16 Kent w. E. C. Rep. 1866.
17 Surrey. Groves.
20 Herts. Blow.
24 Bucks. E. C. Rep. 1867.
29 Camb. Bab. Blow *spn.*
30 Bedford. Blow.
38 Warwick. E. C. R. '67.
62 York north-east. Foggitt.
85 Fife. E. C. Rep. '71.

41 **P. Lamottei.**
Counties 17, 20, 29, 30, 31, 54, 62, 63 ! 64 ! To indicate seg.

42 **P. Rhœas.**
Counties 42, 60 and 86.

46 **Glaucium luteum.**
44 Carmarthen. Jones.
48 Merioneth. Ley *cat.*

48 **Corydalis claviculata.**
24 Bucks. Druce.
30 Bedford. Druce.

44 Carmarthen. Jones.
54 Linc. north. Lees. Fowler.
60 Lanc. west! Linton *cat.*

50 **Fumaria pallidiflora. Jordani,** Syme.
19 Essex north. Groves.
79 Selkirk. Brotherston.
80 Roxburgh. E. C. R. '76.

50 **F. Boræi,** Jord.
2 Corn. east. Ex. C. R. '76.
11 Hants south. Blow.
25 Suff. east. Ch. Babington.
36 Hereford. Ley.
44 Carmarthen. Jones.
48 Merioneth. Ley.
50 Denbigh. Bailey.
61 York south-east. Parsons.
80 Roxburgh. Brotherston.
81 Berwick. Brotherston.
86 Stirling. Croall.

50 **F. confusa.**
5 Som. south. Flower.
35 Monmouth. Ley.
36 Hereford. E. C. R. '76.
48 Merioneth. Ley.
85 Fife. E. C. Rep. for '72-4.
87 Perth w. E. C. R. '72-4.

50 **F. muralis.**
59 Lanc. south. Lewis

51 **F. officinalis.**
Counties 43, 53, 79, and 103.

52 **F. micrantha.**
63 York s. w. † Lees Rep. '73.

53 **F. parviflora.**
30 Bedford. Blow.
80 Roxburgh. † Brotherston.

54 **F. Vaillantii.**
30 Bedford. Blow.

57 **Coronopus didyma.**
36 Hereford. Ley.
42 Brecon. Ley.
63 York south-west.* Parsons.

60 **Thlaspi arvense.**
11 Hants s. Marquand. Cnfrm.
63 York south-west. Parsons. 'Colonist.'

63 **Capsella Bursa-pastoris.**
Counties 43, 47, 48, 79, and 103.

65 **Teesdalia nudicaulis.**
54 Linc. north. Fowler. Lees.
81 Berwick. Brotherston. Confirmation.

66 **Iberis amara.**
14 Sussex east. Oakeshott.

69 **Lepidium Smithii.**
16 Kent west. Groves.
32 Northton. Druce.
54 Linc. north. Fowler.
63 York south-west. Lees.
79 Selkirk. Brotherston.
80 Roxburgh. Brotherston.
86 Stirling. Duthie.

70 **L. campestre.**
53 Linc. south. Fowler.
54 Linc. north. Fowler.

71 **L. ruderale.**
13 Sussex west.* Warren.
20 Herts. Blow.

72 **Cochlearia officinalis.**
69 Westmorland. Bailey.

72 **C. danica.**
13 Sussex west. Warren.

72 **C. alpina.**
48 Merioneth. Ley.

73 **C. anglica.**
53 Linc. south. Fowler.
54 Linc. north. Fowler.

74 **Subularia aquatica.**
03 Ebudes mid. Ross.

78 **Draba muralis.**
80 Roxb.* Brotherston. Intrd.

79 **D. eu-verna.**
Counties 43, 79 and 86.

79 **D. brachycarpa.**
38 Warw. E. C. Rep. 1875.
57 Derby. Bailey.
63 York south-west. Carr.
64 York mid w. Foggitt.
66 Durham. Lees.

85 **Cardamine pratensis.**
Counties 42, 43, 79, and 103.

86 **C. hirsuta.**
54 Linc. north. Fowler.
80 Roxburgh. Brotherston.
86 Stirling. Croall.
03 Eb. mid. Ross *cat.*

86 **C. sylvatica.**
Counties 44, 47, 48, 61, 79, 80, and 103.

88 **Arabis thaliana.**
Counties 32, 43, 54, 60, 79, 86, and 103.

92 **A. hirsuta.**
Counties 5, 43, 48, 54, 79, 103.

95 **Barbarea stricta.**
53 Linc. south. Fowler.
54 Linc. north. Lees.

95 **B. vulgaris.**
Counties 42, 43, 47 ! and 79.

99 **Nasturtium terrestre.**
42 Brecon. Ley.
53 Linc. south. Fowler.
54 Linc. north. Fowler.

100 **N. sylvestre.**
53 Linc. south. Fowler.

101 **N. amphibium.**
64 York mid w. Parsons.
87 Clackmannan. Ex. C. '72-4.

104 **Sisymbrium Sophia.**
14 Suss. e. E.C.R. '76. Cnfrm.
32 Northton. Blow.
80 Roxburgh.† Brotherston.

106 **Erysimum cheiranthoides.**
Counties 32, 49, 54, 60, and 80, all.*

107 **E. Alliaria.**
Counties 43, 47, 53, 60, 79, and 86.

117 **Sinapis alba.**
80 Roxburgh. Brotherston.

120 **S. tenuifolia.**
32 Northton. Druce.
45 Pembroke. Bailey.
75 Ayr.* Horn.

121 **S. muralis.**
4 Dev. north.* Rogers.
11 Hants south.† Groves.
13 Sussex west. Warren.
14 Sussex east. Warren.
36 Hereford.* Ley.
63 York s. w.* Parsons.
75 Ayr.* Horn.
80 Roxburgh.† Brotherston.

122 **S. monensis.**
37 Worcester. Fraser. Relic?

123 **Raphanus Raphanistrum.**
Counties 48, 79, and 103.

124 **R. maritimus.**
44 Carmarthen. Jones.

128 **Helianthemum vulgare.**
Counties 43, 60! and 79.

130 **H. canum.**
64 York mid-west. Lees.

132 **Viola palustris.**
34 Gloster west. Ley.
54 Linc. north. Fowler.
80 Roxburgh. Brotherston.
86 Stirling. Croall.

133 **V. odorata.**
80 Roxb.† Brotherston.

133 **V. permixta,** Jord.
3 Devon s. E. C. Rep. '65.
11 Hants south. Groves.
17 Surrey. Groves.
19 Essex north. Blow.
20 Herts. Blow.
36 Hereford. Ley.

135 **V. Reichenbachiana.**
30 Bedford. Blow.
32 Northton. Druce.
34 Gloster west. Ley.
54 Lincoln north! Fowler.
63 York south-west. Lees.
64 York mid-west. Foggitt.

135 **V. flavicornis,** Sm.
54 Lincoln north. Fowler.
112 Shetland. M. Middleton.

135 **V. lactea.**
3 Devon s. E. C. Rep. '76.
34 Gloster west. Ley.
63 York south-west. Parsons.

136 **V. eu-tricolor.**
03 Ebudes mid. Ross.

137 **V. Curtisii.**
1 Scilly. Tellam. Confirmn.

138 **Drosera rotundifolia.**
Counties 43, 47, 48, 79 and 86.

139 **D. intermedia.**
44 Carmarthen. Jones.
61 York south-east. Parsons.
63 York south-west. Parsons.

140 **D. anglica.**
54 Lincoln north. Fowler.

141 **Polygala eu-vulgaris.**
Counties 4, 8, 20, 30, 40, 45, 49, 63 and 64.

141 **P. oxyptera.**
2 Cornwall east. Tellam.
4 Devon north. Rogers.
15 Kent east. Duthie.
35 Monmouth. Ley.
49 Carnarvon. Ley.
50 Denb. E. C. Rep. '72–4.
63 York south-west. Lees.
64 York mid-west. Foggitt.

141 **P. depressa.**
8 Wilts south. Rogers.
14 Sussex east. Warren.
16 Kent west. J. Groves.
20 Herts. Blow.
34 Gloster west. Ley.
49 Carnarvon, Linton.
54 Lincoln north. Fowler.
86 Stirling. Duthie.

141 **P. calcarea.**
14 Sussex east. Roper.

146 **Dianthus Armeria.**
44 Carmarthen. Oakeshott.
(80 Roxburgh.* Brotherston.)

153 **Silene maritima.**
44 Carmarthen. Bailey.
54 Lincoln north. Lees.

155 **S. anglica.**
4 Devon north. Rogers.

157 **S. noctiflora.**
7 Wilts north.† Preston.
14 Sussex east.† Oakeshott.
33 Gloster e. E. C. Rep. '67.
80 Roxburgh. Brotherston.

158 **S. conica.**
13 Sussex west. Warren.
16 Kent west.† Crespigny.

166 **Mœnchia erecta.**
64 York mid-west. Lees.

167 **Sagina maritima.**
14 Sussex east. Warren.

167 **S. apetala.**
4 Devon north. Rogers.
8 Wilts south. Rogers.
14 Sussex east. Roper.
32 Northton. Druce.

168 **S. ciliata.**
4 Devon north. Rogers.
8 Wilts south. Rogers.
14 Sussex east. Warren.
16 Kent west. Groves.
31 Hunts. Druce.
33 Gloster e. E. C. Rep. '67.
36 Hereford. Ley.
42 Brecon. Ley.
50 Denbigh. Bailey.
54 Lincoln north. Lees.
86 Stirling. Duthie.

169 **S. subulata.**
86 Stirling. Croall.

171 **S. nodosa.**
11 Hants south. Groves.

172 **Spergula arvensis.**
Counties 43, 47, 48, 60, 79 & 103.

174 **Spergularia marginata.**
15 Kent east. Blow.
28 Norfolk west. Blow.
44 Carmarthen. Jones.
49 Carnarvon. Bailey.
53 Lincoln south. Fowler.
54 Lincoln north. Fowler.
69 Westmorland. Bailey.
103 Ebudes mid. Ross.

174 **S. neglecta.**
14 Sussex east. Warren.
61 York south-east. Parsons.
63 York south-west. Parsons.
74 Wigton. Horn.
81 Berwick. Brotherston.

174 **S. rupestris.**
11 Hants south. Groves.
45 Pembroke. Bailey.
74 Wigton. Horn.

175 **S. rubra.**
Counties 48, 60 and 103.

178 **Arenaria leptoclados**
24 Bucks. Ex. C. Rep. 1867.

179 **A. tenuifolia.**
57 Derby. Whitehead.
64 York mid-west. Wesley.
N.B.—The record for vice-co. '64, Baker sp.', in *Top.*

Bot., p. 90, should be transferred to vice-county 65, north-west York.

182 **A. trinervia.**
Counties 43, 79, 80, 86, and 103.

184 **Stellaria nemorum.**
46 Cardigan. Ley.
54 Linc. north. Fowler.

185 **S. media.**
Counties 42, 43, 47, 48, 79 and 103.

185 **S. umbrosa,** Opitz.
3 Devon s. E. C. Rep. 1876.
6 Som. n. E. C. Rep. 1871.
18 Essex south. E. C. R. '71.
36 Hereford. E. C. R. '71.
38 Warwick. Bagnall.
85 Fife. E. C. Rep. 1871.

186 **S. Holostea.**
Counties 42, 43, 48, 60, 79, 86, and 103.

187 **S. glauca.**
37 Worcester. Lees.
53 Linc. south. Fowler.

189 **S. uliginosa.**
Counties 32, 35, 43, 47, 48, 79, 80, 86, and 103.

191 **Cerastium aquaticum.**
11 Hants south. Marquand.
14 Sussex east. Warren.

192 **C. glomeratum.**
Counties 42, 43, 48, 79, 86, & 103.

193 **C. triviale.**
Counties 42, 47, 48, 79, and 103.

194 **C. semidecandrum.**
3 Devon s. Rogers. Cnfrmtry.
80 Roxburgh. Brotherston.

194 **C. tetrandrum.**
54 Linc. north. Lees.
96 Easterness. E. C. Rep. '75,

194 **C. pumilum.**
33 Gloster east. Duthie.

195 **C. arvense.**
9 Dorset. Mansell-Pleydell.
40 Salop. Huish.

196 **C. alpinum.**
96 Easterness. Ley.

197 **C. latifolium.**
87 Perth w. Ley. 'Smithii.'

202 **Linum catharticum.**
Counties 43, 47, 48, 79, 86 & 103.

203 **Radiola millegrana.**
54 Linc. north. Fowler.
66 Durham. Lees.

204 **Malva moschata.**
32 Northton. Druce.
46 Cardigan. Huish.
53 Linc. south. Fowler.

205 **M. sylvestris.**
Counties 42, 43, 47, 48 and 86.

206 **M. rotundifolia.**
35 Monmouth. Ley.
61 York south e. Parsons.

208 **Althæa officinalis.**
53 Linc. south. Fowler.

209 **A. hirsuta.**
6 Somerset north. Baker.

210* **Lavatera sylvestris.**
1 Corn. w. (Scilly). † Curnow.

211 **Tilia parvifolia.**
5 Som. south. Lees.
53 Linc. s.* Lees. Not wild.
69 Westmorland. Bailey.

214 **Hypericum Androsæmum.**
87 Perth west. Druce.
103 Ebudes mid. Ross.

215 **H. perforatum.**
Counties 47, 48, 53 ! 79, 86 & 103.

216 **H. quadrangulum.**
Counties 47, 48, 79, 86, & 103.

216 **H. dubium,** Leers.
54 Linc. north. Lees.
79 Selkirk. Brotherston.
80 Roxburgh. Brotherston.

218 **H. humifusum.**
35 Monmouth. Ley.
80 Roxburgh. Brotherston.
86 Stirling. Duthie.

220 **H. pulchrum.**
Counties 43, 47, 48, 79, 86 and 103.

221 **H. hirsutum.**
35 Monmouth. Ley.
47 Montgom. Lees.
53 Linc. south ! Fowler.

222 **H. montanum.**
44 Carmarthen. Oakeshott.
54 Linc. north. Fowler.

223 **H. elodes.**
54 Linc. north ! Fowler.
63 York s. w. ! Carr. West.

228 **Erodium cicutarium.**
32 Northton. Druce.
80 Roxburgh. Brotherston.
Also 48 and 103 *cat. auct.*

229 **E. moschatum.**
(31 Hunts.* Blow.)

231 **Geranium pratense.**
53 Linc. south. Fowler.
54 Linc. north ! Fowler.
103 Ebudes mid. (Mull). Ross.

232 **G. pyrenaicum.**
54 Linc. north.* Lees.
57 Derby. Bailey.
80 Roxburgh. Brotherston.

234 **G. pusillum.**
53 Linc. south. Lees.
80 Roxburgh. Brotherston.
86 Stirling. Duthie.

235 **G. molle.**
Counties 43, 48, 79 and 103.

236 **G. dissectum.**
Counties 43, 48, 79, 86 & 103.

238 **G. lucidum.**
42 Breconshire. Huish.

239 **G. Robertianum.**
Counties 43, 47, 48, 79 & 103.

240 **G. sanguineum.**
86 Stirling. Duthie.

243 **Oxalis Acetosella.**
Cos. 43, 47, 48, 53 ! 60, 79, 103.

245 **Euonymus europæus**
53 Linc. south ! Fowler.
60 Lanc. west. Bailey.

247 **Rhamnus Frangula.**
35 Monmouth. Ley.
54 Linc. north. Lees.

248 **Spartium Scoparium**
Counties 42, 43, 47, 48, 79 & 103.

249 **Ulex europæus.**
Counties 43, 47, 48, 79 & 103.

250 **U. eu-nanus.**
8 Wilts south. Rogers.
16 Kent west. Groves.
20 Herts. Blow.
32 Northton. Druce.
39 Stafford. Lees.
63 York s. w. ! West.

250 **U. Gallii.**
27 Norf. east. Bailey.

251 **Genista tinctoria.**
32 Northton. Druce.
43 Radnor. Ley *cat.*
80 Roxburgh. Brotherston.

253 **G. anglica.**
54 Lincoln north ! Fowler.

254 **Ononis arvensis.**
Counties 48 and 79.

255 **O. spinosa.**
54 Lincoln north. Fowler.

256 **O. reclinata.**
3 Devon s. Rossall. Wild ?

257 **Anthyllis vulneraria.**
31 Hunts. Druce.
44 Carmarthen. Jones.
Also 48, 79 and 103 *in cat.*

257 **A. Dillenii.**
2 Cornwall east. Huish.
13 Sussex east. Warren.

259 **Medicago falcata.**
(70 Cumberlnd.* Brotherston.)

260 **M. lupulina.**
Counties 47, 48 and 79.

261 **M. maculata.**
11 Hants south. Groves.
54 Lincoln north. Fowler.

262 **M. denticulata.**
(20 Herts.* Blow and Groves.)

264 **Melilotus officinalis.**
(80 Roxburgh.* Brotherston.)

265 **M. vulgaris** (alba).
(Counties 39, 63 and 80 as *)

266 **Trigonella ornithopodioides.**
37 Worcester. Fraser.

267 **Trifolium repens.**
Counties 43, 47, 48, 79 and 103.

271 **T. pratense.**
Counties 42, 43, 47, 48, 79 and 103.

272 **T. medium.**
Counties 53, 54, 79, 80 and 103.

273 **T. hybridum.**
32 Northton.* Druce.
53 Lincoln south. Fowler.

274 **T. maritimum.**
10 Isle of Wight. Groves.

275 **T. arvense.**
32 Northton. Druce.
69 Weston (Lake Lanc).† Lees.

276 **T. scabrum.**
13 Sussex east. Warren.

33 Gloster east. Duthie.
54 Lincoln north. Fowler.

277 **T. striatum.**
16 Kent west. Groves.
54 Lincoln north. Lees.
69 Westm. (Lake Lanc.) Bailey.

280 **T. fragiferum.**
35 Monmouth. Ley.
64 York mid-west. Parsons.

281 **T. procumbens.**
Counties 35, 43, 48, 79 and 103.

282 **T. minus.**
Counties 32, 35, 42, 43, 47, 48, 79, 80 and 103.

282 **T. filiforme.**
62 York north-east. Foggitt.
63 York south-west. Parsons. Confirmation.
80 Roxburgh. Brotherston.

283 **Lotus corniculatus.**
Counties 43, 47, 48, 79 and 103.

283 **L. tenuis.**
11 Hants south. Groves.
31 Hunts. Blow.
44 Carmarthen. Jones.
53 Lincoln south. Lees.
54 Lincoln north. Fowler.
61 York south-east. Abbott.
69 Westm. (Lake Lanc.) Lees.
80 Roxburgh. Brotherston.

284 **L. major.**
Counties 47, 48, 79, 86 and 103.

286 **Astragalus glycyphyllus.**
54 Lincoln north. Fowler.
86 Stirling. Duthie.

287 **A. hypoglottis.**
32 Northton. Druce.
54 Lincoln north. Fowler.

291 **Ornithopus perpusillus.**
44 Carmarthen. Jones.
54 Lincoln north ! Fowler.

293 **Hippocrepis comosa.**
54 Lincoln north ! Fowler.

294 **Onobrychis sativa.**
54 Linc. n.† Fowler & Lees.

295 **Vicia Orobus.**
4 Devon north. Husband.
11 Hants south. Groves.
43 Radnor. Ley.

296 **V. sylvatica.**
80 Roxburgh. Brotherston.

297 **V. Cracca.**
Counties 42, 43, 47, 48, 79 & 103.

298 **V. angustifolia.**
44 Carmarthen. Jones.

299 **V. lathyroides.**
80 Roxburgh. Brotherston.

301 **V. sepium.**
Cos. 42, 43, 47, 48, 79, 86, 103.

303 **V. hirsuta.**
Counties 35, 43, 47, 48, 54, 79, 86 and 103.

304 **V. tetrasperma.**
47 Montgomery. Lees.
103 Eb. mid. (Mull.)† Ross.

304 **V. gracilis.**
6 Somerset north. Fraser.

37 Worcester. Fraser.

305 **Lathyrus Aphaca.**
14 Sussex east. Roper.

307 **L. hirsutus.**
(75 Ayr.* Horn.)

308 **L. pratensis.**
Counties 42, 43, 47, 48, 79 and 103.

310 **L. sylvestris.**
14 Sussex east. Oakeshott.

312 **Orobus tuberosus.**
Counties 43, 47, 48, 60, 79, 86 and 103.

314 **Prunus spinosa.**
Counties 43, 47, 48, 79 & 103.

315 **P. Padus.**
54 Lincoln north. Parsons.
103 Ebudes mid. Ross.

316 **P. Avium.**
Counties 43, 79*, 86†, & 103*.

317 **Spiræa Ulmaria.**
Counties 42, 43, 47, 48, 79, 86 and 103.

321 **Geum urbanum.**
Counties 42, 43, 48, 79 & 103.

321 **G. intermedium.**
6 Somerset north. Parsons.
8 Wilts south. Rogers.
80 Roxburgh. Brotherston.

327 **Potentilla anserina.**
Counties 42, 43, 47, 48, 79 & 103.

328 **P. argentea.**
3 Devon south. Rogers.
39 Stafford. Fraser.
80 Roxburgh. Brotherston.

329 **P. verna.**
62 York n. east. Foggitt.

330 **P. alpestris.**
49 Carnarvon. Ley.

331 **P. reptans.**
Counties 48 and 79.

332 **P. procumbens.**
4 Devon north. Rogers.
54 Lincoln north. Lees.
61 York south-east. Lees.
69 Westmoreland. Lees.
80 Roxburgh. Brotherston.

332 **P. Tormentilla.**
Counties 43, 60, 79 and 103.

333 **P. Fragariastrum.**
Counties 43, 53, 60, 79, 80 & 103.

334 **Comarum palustre.**
53 Lincoln south. Lees.
86 Stirling. Duthie.

335 **Fragaria vesca.**
Counties 42, 43, 47, 48, 53, 60! 79, 86 and 103.

338 **Rubus saxatilis.**
34 Gloster west. Ley.
35 Monmouth. Ley.
54 Lincoln north. Lees.
85 Fife. Ex. C. Rep. 1875.
03 Ebudes mid. Ross.

339 **Rubus Idæus.**
Counties 11, 43, 47, 60, 79, 86 and 103.

339 **R. Leesii,** Bab.
Counties 4, 5, 38 and 69.

340 **R. fruticosus.**
The divisions for the segregate 'species' are as follows:

R. suberectus, And.
14 Sussex east. Oakeshott.
39 Stafford. Fraser.
63 York south-west. Carr.

R. fissus, Lindl.
38 Warwick. Bagnall.
54 Lincoln north. Lees.
63 York south-west. Carr.

R. affinis, W. & N.
38 Warwick. Bagnall.
54 Lincoln north. Lees.
63 York south-west. Carr.
64 York mid-west. Lees.

R. Lindleianus, Lees.
15 Kent east. Blow.
39 Stafford. Fraser.
61 York south-east. Parsons.
64 York mid-west. Lees.

R. rhamnifolius, W. & N.
38 Warw. Bagnall. 3 forms.
54 Lincoln north. Lees.

R. imbricatus, Hort.
3 Devon s. E.C.R.'74. *ramosus.*
38 Warw. Bagnall. *ramosus.*

R. incurvatus, Bab.
2 Corn e. E. C. Rep. 1876.

R. thyrsoideus, Wimm.
63 York south-west. Carr.

R. leucostachys, Sm.
20 Herts. Blow.
39 Stafford. Fraser.
54 Lincoln north. Lees.
63 York south-west. Carr.
64 York mid-west. Lees.

R. Salteri, Bab.
38 Warwick. Bagnall. Type.
54 Lincoln n. Lees. '*calvatus.*'
64 York m. w. Lees. Type.

R. carpinifolius, W. & N.
38 Warwick. Bagnall.
39 Stafford. Fraser.
54 Lincoln north. Lees.

R. villicaulis, W. & N.
3 Dev. s. E. C. R. 1874-5. 'adscitus,' *Genev.*
64 York m.w. Lees. '*vulgaris*, Lind.' *auct. Bloxam.*

R. macrophyllus, W.
38 Warw. Bagnall. 3 vars.
39 Staf. Fraser. '*amplificatus.*'
53 Linc. s. Lees. 2 vars.
54 Linc. n. Lees. '*umbrosus.*'
63 York south-west. Carr. Type and var.
64 York m.w. Lees. '*umbrosus.*'

R. mucronulatus, Bor.
39 Stafford. Fraser.
54 Lincoln north. Lees.
63 York s. w. Carr. '*festivus.*'
64 York mid-west. Lees.

R. Sprengelii, W.
39 Stafford. Fraser.
64 York mid-west. Lees.

R. Bloxamii, Lees.
63 York south-west. Carr.

R. rosaceus, Weihe.
38 Warwick. Bagnall.

R. scaber, Weihe.
38 Warwick. E. C. Rep. 1876.

R. pygmæus, Weihe.
64 Yk. m.w. Webster. *Fide* Bab.

R. rudis, Weihe.
38 Warwick. Bagnall

R. radula, Weihe.
3 Dev. s. E. C. R. '74.
38 Warw. Bagnall. 3 forms.

R. Kœhleri, Weihe.
2 Corn. east. E. C. R. 1876.
38 Warw. Bagnall. And vars.
63 Yk. s.w. Parsons. '*pallidus*.'

R. Briggsii, Blox.
38 Warw. Bagnall. '*Bagnalli*.'

R. diversifolius, Ld.
63 York south-west. Carr.
64 York mid-w. F. A. Lees.
86 Stirling. Croall.

R. pyramidalis, Bab.
2 Corn. east. E. C. R. 1876.
3 Devon south. E. C. R. '76.
38 Warwick. E. C. R. 1876.
49 Carnarvon. E. C. R. 1871.
69 Westm. Baker in E.C.R.'71.

R. Lejeunii, W.
39 Stafford. Fraser.

R. Guntheri, W.
15 Kent east. Blow.
39 Stafford. Fraser.

R. humifusus, W.
63 York south-west. Carr.

R. atro-rubens, Wirt.
15 Kent east. Blow.
38 Warwick. Bagnall.
63 York south-west. Carr.

R. glandulosus, Bell.
34 Gloster west. Ley.
39 Stafford. Fraser.
63 York s.w. Carr. '*dentatus*.'

R. corylifolius, Sm.
38 Wrw. Bagnall. '*spinosus*' &c.
63 York south-west. Carr. 2 vars.

R. cæsius, L.
57 Derby. Bailey.
80 Roxb. Brotherston. Vars.

341 **Rosa spinosissima.**
42 Brecon. Ley.
(Also 60, 79 and 103 on authority of *cat.*).

343 **R. Sabini.**
39 Stafford. E. C. R. 1872 & 1876. '*Smithii*.'
84 Linlithgow. C. Christie. '*Smithii*.'

R. pomifera, Herrm.
80 Roxburgh†. Brotherston.

344 **R. mollissima**, Fr.
11 Hants south. T. Groves.
20 Herts. Blow.
32 Northampton. Druce.
36 Hereford. Ley.
37 Worcester. Lees.
38 Warwick. Bagnall.
42 Brecon. Ley.
44 Carmarthen. Jones.
47 Montgomery. Ley.
54 Linc. north. Lees.
80 Roxburgh. Brotherston.
86 Stirling. Croall.

345 **R. tomentosa**, Sm.
26 Suffolk w. Ch. Babington.
54 Lincoln north. Lees.
60 Lanc. west ! Lees.
61 York south-east. Parsons.
80 Roxburgh. Brotherston.
(Also 43, 79 and 103 on the authority of catalogues, but not specimens.)

349 R. micrantha.
11 Hants south. H. Groves.
16 Kent west. Groves.
30 Bedford. Blow.
80 Roxburgh. Brotherston.
81 Berwick. Brotherston.

350 **R. rubiginosa.**
16 Kent west. J. Groves.

350 **R. canina.**
The counties and vice-counties reported for the Bakerian segregates in the Reports of the Exchange and Record Clubs are so far from complete that it is not thought worth while summarising them until the second Quinquennial Report.

352 **R. systyla.**
2 Cornw. e. E. C. Rep. '75.
11 Hants south. Groves.
16 Kent west. J. Groves.
63 York south-west! Lees.

353 **R. arvensis.**
61 York south-east. Parsons.
53 Lincoln south! Fowler.
81 Berwick. Brotherston.

354 **Agrimonia odorata.**
11 Hants south. Marquand.
15 Kent e. Ex. C. Rep. 1875.

354 **A. Eupatoria.**
Counties 47, 48, 79, 86, & 103.

356 **Alchemilla vulgaris.**
26 Suffolk west. Jordan.
Also 43, 48, 60, 79 and 103, on authority of catalogues.

357 **A. alpina.**
03 Ebudes mid. (Mull.). Ross.

358 **A. arvensis.**
Counties 43, 48, 79, 86 & 103.

360 **Cratægus oxyacanthoides,** Thuil.
17 Surrey. Watson. E.C.R.'72.
53 Lincoln south.† Lees.
54 Lincoln north. Lees.
55 Leicester. Ley.
57 Derby.† Bailey. Two locs.
58 Cheshire. E. C. Rep. '76.
62 York n. e.† Lees. 'Mulgrave Woods.'
66 Durham.† Lees.

362 **Pyrus communis.**
2 Cornwall east. E. C. R. 1874. '*Briggsii.*'
3 Dev. s. E.C.R.'76. '*Briggsii.*'
54 Lincoln north. Lees.

363 **P. Malus.**
35 Monmouth. Ley. '*Acerba.*'
(Also counties 43, 48 and 79 queried by Farquharson in *catalogue.*

365 **P. Aria,** Hook.
32 Northton.* Druce.
34 Gloster west. Ley.

365 **P. rupicola** (*segregate*).
39 Stafford. Fraser.
42 Brecon. E. C. R. '72-4.
60 Lanc. west. Bailey.
61 York s. east.* Parsons.
66 Durham. Lees.
69 Wstm. & Lake Lanc. Bailey.
81 Berwick. Brotherston.

365 **P. latifolia** (*scandica*).
34 Gloster west. Ley.
35 Monmouth. Ley.

366 **P. Aucuparia.**
Cos. 43, 47, 48, 60, 79, 86 & 103.

367 **Epilobium angustifolium.**
32 Northton.* Druce.
53 Linc. s. Lees. 'Hykeham.'
61 York south-east. Lees.
(Also 43, 47, and 79 in *cats.*)

368 **E. hirsutum.**
Counties 43, 53, 79 and 86.

369 **E. parviflorum.**
Counties 79, 86, & 103 in *cats.*

370 **E. montanum.**
Counties 42, 43, 47, 48, 79 & 103.

372 **E. palustre.**
Counties 42, 46, 54, 79, 86 & 103

373 **E. eu-tetragonum.**
11 Hants south. Groves.
18 Essex s. Blow & Groves.
20 Herts. Blow.
54 Lincoln north. Fowler.

373 **E. obscurum.**
9 Dorset. Mansel-Pleydell.
20 Herts. Blow.
53 Lincoln south. Fowler.
54 Lincoln north. Fowler.
63 York south-west! Lees.

377 **Circæa lutetiana.**
44 Carmarthen. Jones.
47 Montgomery. Ley.
48 Merioneth. Ley.
53 Lincoln south! Fowler.
Also 43, 47, 48, 79, 86 and 103 in *catalogues.*

377 **C. intermedia.**
81 Berwick. Brotherston.

378 **C. alpina.**
65 York north-west. Lees. In the West Riding, but that Northern corner near Howgill slate fells, included by H. C. Watson in vice-county 65.
03 Ebudes mid. Ross *cat.*

81 **Myriophyllum spicatum.**
Counties 32, 34, 42 and 53 !

379 **Hippuris vulgaris.**
53 Lincoln south. Fowler.

382 **M. alterniflorum.**
80 Roxburgh. Brotherston.

384 **Callitriche platycarpa.**
Counties 47, 48, 54 and 86.

383 **C. obtusangula.**
1 Corn. w. (Scilly.) Tellam.
3 Devon s. Rogers & Briggs.
11 Hants south. Groves.
15 Kent east. Duthie.
16 Kent west. Groves.
17 Surrey. Groves.
20 Herts. Blow.
21 Middlesex. Groves.
29 Cambridge. Bab. & Blow.
34 Gloster. w. E. C. R. '72-4.
54 Lincoln north. Lees.
58 Cheshire. E. C. R. 1876.

385 **C. hamulata.**
Counties 11 and 20.

386 **C. autumnalis.**
80 Roxburgh. Brotherston.

388 **Ceratophyllum aquaticum.**
53 Lincoln south. Lees.
61 York south-east. Parsons.
63 York south-west. Parsons.
64 York mid-west. Abbott.

388 **C. demersum.**
17 Sur. E. C. R. '1872 to 1874.' } To indic. segreg.
20 Herts. Blow. }

388 **C. submersum.**
14 Sussex e. Roper.
15 Kent east. Blow.

390 **Lythrum Salicaria.**
79 Selkirk. Soutter.
(Also 47, 48, and 103 on *catalogue* authority.

391 **Peplis Portula.**
Counties 32, 35, 48, 54, 79, 86 and 103.

399 **Scleranthus annuus.**
54 Lincoln north. Fowler.
79 Selkirk. Farquharson *cat.*

401 **Ribes nigrum.**
(Counties 11, 54 & 79, but alien.)

405 **R. alpinum.**
(Counties 80 and 81, not wild.)

406 **R. grossularia.**
(Counties 43, 54, 60, but alien.)

409 **Sedum Telephium.**
43 Radnor. Ley. *cat.*
54 Lincoln north.† Fowler.

410 **S. villosum.**
79 Selkirk. Farquharson *cat.*
80 Roxburgh. Brotherston.

412 **S. anglicum.**
47 Montgomery. Ley.
65 York north-west. Lees. The locality is in the West Riding, but on the slate fells of that north-west corner, north of Sedbergh, taken as a part of the north-west vice-county by Mr. Watson.
86 Stirling. Duthie.

414 **S. acre.**
Counties 42, 43 and 103.

416 **S. Forsterianum.**
5 Som. s. Flower. To negative the doubt expressed in *Top. Bot.*

418 **Cotyledon. Umbilicus.**
32 Northampton. Druce. To remove Qy. in *Top. Bot.*
54 Lincoln south.† Fowler.

425 **Saxifraga aizoides.**
03 Ebudes mid. Ross.

426 **S. oppositifolia.**
65 York north-west! Lees. In that part—Howgill Fell—of W. Riding considered as one with v.-co. of n.w. Yrk. proper.

427 **S. granulata.**
6 Somerset north. Flower.
Counties 43 and 79 *cat. auct.*

429 **S. rivularis.**
96 Easterness. Ley.

430 **S. tridactylites.**
43 Radnor. Ley *cat.*
54 Lincoln north. Fowler.

431 **S. hypnoides.**
98 Argyle, main. Alcock.

432 **S. sponhemica.**
48 Merioneth. Ley.
49 Carnarvon. Ley.

434 **Chrysosplenium oppositifolium.**
Counties 43, 47, 48. 53, 54, 60, 79, 86 and 103.

435 **C. alternifolium.**
54 Linc. north. Lees. 1878!
80 Roxburgh. Brotherston.
86 Stirling. Croall.

436 **Parnassia palustris.**
53 Lincoln north! Fowler.

438 **Hedera Helix.**
Counties 42, 43, 47, 48, 79, 86 and 103.

439 **Cornus sanguinea.**
44 Carmarthen. Jones.

441 **Hydrocotyle vulgaris.**
Counties 32, 43, 47, 48, 54, 60, 79, 80, 86 and 103.

442 **Sanicula europæa.**
Counties 42, 43, 60, 79 and 86.

445 **Eryngium campestre.**
15 Kent east. E. C. R. 1875.

446 **Conium maculatum.**
Counties 47, 48, 79 and 103.

448 **Smyrnium Olusatrum.**
36 Hereford.* Ley.

450 **Apium graveolens.**
63 York south-west. Parsons. Native. 'Goole.'
64 York mid-west.* Parsons. Escapes in this vice-county.
87 Perth w. E. C. R. '72-4.

454 **Helosciadium repens,** *Schultz.*
61 York south-east! Parsons.

456 **Sison Amomum.**
70 Cumb. E. C. R. 1872-4.

457 **Ægopodium Podagraria.**
Counties 43, 60, 79 and 103.

458 **Carum Carui.**
36 Hereford. Ley. 'Native!'
63 York south-west.* Parsons. Established.
66 Durh.* Lees. Naturalised.

461 **Bunium flexuosum.**
Counties 43, 53, 79, 80 and 86.

462 **Pimpinella Saxifraga.**
Counties 47, 48 and 79.

463 **P. magna.**
80 Roxburgh † Brotherston. 'Introduced?'

464 **Sium latifolium.**
53 Lincoln south! Fowler.
63 York south-west! Parsons.
64 York mid-west. Parsons.

465 **S. angustifolium.**
Counties 11 and 42.

469 **Bupleurum rotundifolium.**
(80 Roxburgh.* Brotherston.)

470 **Œnanthe fistulosa.**
35 Monmouth. Ley.

471 **Œ. pimpinelloides.**
8 Wilts south. Rogers.

471 **Œ. Lachenalii.**
17 Surrey. Warren. Watson.
53 Linc. s.! Fowler. Lees.

473 **Œ. crocata.**
Counties 43,47,48, 60, 86 & 103.

475 **Æthusa Cynapium.**
86 Stirling. Duthie.
Also 43, 47 & 79 *cat. auct.*

478 **Silaus pratensis.**
53 Lincoln south. Fowler.

482 **Angelica sylvestris.**
Counties 43,47,48,79, 86 & 103.

484 **Peucedanum palustre.**
28 Norfolk west. Bray.
54 Lincoln n. Fowler *spn.!*

486 **Pastinaca sativa.**
53 Lincoln south. Fowler.
54 Linc. n.! Fowler. Native.
61 York south-east. Lees.

487 **Heracleum Sphondylium.**
Counties 42, 43, 47,48, 79 & 103.

488 **Tordylium maximum.**
18 Essex south.† Crespigny. A Casual?

489 **Daucus Carota.**
Counties 42, 43, 47, 48,79 & 103.

490 **D. gummifer.**
13 Sussex west. Warren.
61 York south-east. Parsons.

491 **Caucalis daucoides.**
(Gloster. E. C. R. '68. Casual?)
38 Warw. E. C. R. '75. Casual?

493 **Torilis Anthriscus.**
Counties 42, 43, 47, 48, 79 and 103.

495 **T. nodosa.**
80 Roxburgh. Brotherston.

496 **Scandix Pecten.**
Counties 42, 43 and 86.

497 **Anthriscus vulgaris.**
37 Worcester. Lees.
54 Lincoln north. Fowler.
60 Lanc west! Linton *cat.*
80 Roxburgh. Brotherston.

498 **A. sylvestris.**
Counties 43 and 79 in *cat.*

500 **Chærophyllum temulentum.**
Counties 43, 47, 48 and 79.

501 **Myrrhis odorata.**
42 Breconshire. Ley *cat.*
54 Lincoln north.† Fowler.

503 **Viscum album.**
13 Sussex west. Warren.
41 Glamorgan. Lees.

504 **Sambucus nigra.**
Counties 42, 43, 47, 48, 79 and 103.

506 **Viburnum Opulus.**
Counties 43, 47 and 103.

507 **V. Lantana.**
35 Monmouth. Lees.
61 York south-east.† Parsons.

508 **Lonicera Periclymenum.**
Counties 43, 47, 48, 79, 86 and 103.

512 **Rubia peregrina.**
11 Hants south. Groves.
44 Carmarthen. Jones.

513 **Galium verum.**
Counties 43, 47, 48, 79 & 103.

513 **G. ochroleucum.**
3 Devon s. E. C. R. 1865.
15 Kent e. E. C. Rep. 1875.
20 Herts. Blow.

514 **G. cruciatum.**
Counties 43, 79 and 103.

515 **G. palustre.**
Counties 42, 43, 48, 49, 79 & 103.

516 **G. uliginosum.**
54 Lincoln north. Lees.
86 Stirling. Croall.

517 **G. saxatile.**
Cos. 43, 47, 48, 60, 79, 86, 103.

518 **G. erectum.**
20 Herts. Blow.
40 Salop.† Jones.
63 York s.w.† Amos Carr sp. !

522 **G. tricorne.**
3 Devon s.† Rogers. A Col.?
59 Lanc. s.* Lewis. Casual.

523 **G. Aparine.**
Counties 42, 43, 47, 48, 79 & 103.

526 **Sherardia arvensis.**
Counties 43, 48, 79, 86 & 103.

527 **Asperula odorata.**
Counties 47, 60, 79, 86, 103.

528 **A. cynanchica.**
34 Gloster west. Ley.

531 **Valeriana dioica.**
5 Somerset south. Lees.
(Also 60 and 79 on *cat.* auth.)

532 **V. officinalis.**
(sambucifolia).
Counties 42, 47, 53, 60, 79, 86 and 103.

534 **Fedia olitoria.**
Counties 45, 53 ! and 103.

537 **F. dentata.**
81 Berw. Brotherston. 'Col.'

538 **F. carinata.**
1 Cornw. w. E. C. Rep. '76.
2 Cornw. e. E. C. Rep. '76.
3 Devon s. E. C. Rep. '75.

540 **Dipsacus pilosus.**
53 Lincoln south. Fowler.
54 Lincoln north. Lees.

541 **Scabiosa succisa.**
Counties 42, 47, 48, 79, 86 and 103.

542 **S. columbaria.**
5 Somerset south. Lees.

546 **Helminthia echioides.**
44 Carmarthen. Jones.
53 Lincoln south. Fowler.
80 Roxb.* Brotherston. Introduced.

547 **Picris hieracioides.**
16 Kent west. Groves.
32 Northampton. Druce.
50 Denbigh. Bailey. To confirm the co. rec. in *Top. Bot.*
80 Roxburgh.* Brotherston. 'Arvalis.'

550 **Leontodon autumnalis.**
35 Monmouth Ley.
(Also in 43, 79, 86 and 103 on *cat.* authority.)

551 **Hypochæris glabra.**
59 Lanc. south. Lewis.

553 **H. radicata.**
Counties 43, 47, 48, 60 & 79.

554 **Lactuca virosa.**
2 Cornwall east. Tellam.
54 Linc. north ! Fowler.

557 **L. muralis.**
3 Devon south. Rossall.
54 Lincoln north. Fowler.
81 Berw. Brotherston 'native' !
Also 43, 47 and 60 on *cat.* auth.

559 **Sonchus arvensis.**
Counties 47, 48, 79 86 & 103.

563 **Crepis virens.**
80 Roxburgh.† Brotherston.
Also 47, 48, 79 and 103 on *cat.* authority.

563 **C. nicæensis,** Balb.
3 Dev. s.* E. C. Rep. '72-4.
64 York mid-west.† Foggitt.
80 Roxburgh. Brotherston.

564 **C. biennis.**
66 Dur.† Robson & Soutter.
80 Roxburgh.† Brotherston.

567 **C. paludosa.**
Counties 47, 60, 79 and 86 on catalogue authority.

568 **Hieracium Pilosella.**
Counties 43, 47, 48, 79 & 103.

569 **H. pratense,** Tausch. **collinum,** Fr., **dubium,** Bab. Man.
83 Edin.† Cr.-Christie. Wild?
95 Elgin. Keith spn. ! (E. C. Rep. 1870).

573 **H. vulgatum.**
34 Gloster west. Ley.
03 Ebudes mid. Ross.

575 **H. cæsium,** Fr.
70 Cumberland. Ley.
The Snowdon plants recorded as this sp. in 1876 Report are declared by Dr. Boswell to be pallidum.

575 **H. pallidum.**
4 Devon north. Mott.
49 Carnarvon. Ley.
80 Roxburgh. Brotherston.
81 Berwick. Brotherston.

576 **H. anglicum.**
03 Ebudes mid. (Mull). Ross.

579 **H. prenanthoides.**
42 Breconshire. Ley.

580 **H. crocatum.**
48 Merioneth. Ley.
79 Selkirk. Brotherston.
80 Roxburgh.* Brotherston.
03 Ebudes mid. (Mull.). Ross.

581 **H. strictum.**
03 Eb. mid. Ross. 'rigidum.'
11 Orkney. E. C. Rep. '76.

581 **H. Dewari,** Syme.
86 Stirling. E. C. Rep. '76.
87 Perth w. E. C. Rep. '76.
99 Dunbarton. E. C. Report, 1876.

582 **H. tridentatum.**
44 Carmarthen. Ley.
48 Merioneth. Ley.

584 **H. umbellatum.**
37 Worcester. Lees.
54 Lincoln north. Lees.
63 York south-west. Parsons.
80 Roxburgh. Brotherston.
Also counties 47, 48, 60 on *cat.* authority.

584 **H. boreale.**
Counties 26, 47, 48, 54, 60, 63 and 79.

586 **Barkhausia taraxacifolia.**
15 Kent east. Blow.
20 Herts. Blow.
32 Northampton.† Druce.
80 Roxburgh.* Brotherston.

588 **Taraxacum erythrospermum.**
20 Herts. Blow.

588 **T. officinale.**
Counties 42, 43, 47, 48, 79 and 103.

590 **Lapsana communis.**
Counties 43, 47, 48, 79 and 103.

592 **Arctium majus.**
11 Hants south. Groves.
30 Bedford. Blow,
34 Gloster west. Ley.
53 Lincoln south. Fowler.
54 Linc. n. Fowler & Lees.
63 York south-west. Lees.

592 **Arctium minus.**
Counties 11, 30, 34, 42, 43, 47, 48, 53 & 54.

592 **A. intermedium,** Bab.
3 Dev. s. E. C. Rep. '72-4.
17 Surrey. Groves.
21 Middlesex. Blow.
44 Carmarthen. Oakeshott.

592 **A. nemorosum,** Lej.
15 Kent east. Blow.
20 Herts. Blow.

593 **Saussurea alpina.**
48 Merioneth. Backhouse.
09 Caithness. G. Horn.

594 **Serratula tinctoria.**
54 Lincoln north! Fowler.

597 **Carduus tenuiflorus.**
20 Herts. Warren.

599 **C. lanceolatus.**
Counties 43, 47, 48, 79 & 103.

601 **C. palustris.**
Counties 42, 43, 47, 48, 79 and 103.

602 **C. arvensis.**
Counties 42, 43, 47, 48, 79 and 103.

604 **C. pratensis.**
54 Lincoln north! Fowler.

605 **C. tuberosus.**
7 Wilts north. Preston.

606 **C. acaulis.**
3 Dev. s. Rossall. Confirmn.
53 Linc. south. Fowler.
63 York south-west! Carr.

607 **C. heterophyllus.**
79 Selkirk. Farquharson.
03 Ebudes mid. (Mull.) Ross.

608 **Onopordum Acanthium.**
63 York s. w.* Parsons. Alien.

609 **Carlina vulgaris.**
32 Northton. Druce.
35 Monmouth. Ley.
79 Selkirk. Farquharson.

611 **Centaurea nigra.**
Counties 43, 47, 48, 79 & 103.

612 **C. Cyanus.**
54 Lincoln north. Fowler.

615 **C. Calcitrapa.**
(63 York s. w. West. Casual.)

617 **Bidens cernua.**
44 Carmarthen. Jones.
54 Lincoln north. Fowler.
64 York mid-west. Less.

618 **B. tripartita.**
45 Pembroke. Jones.
54 Lincoln north. Fowler.

619 **Eupatorium cannabinum.**
Counties 47, 48, 60 and 86 on authority of catalogues.

621 **Artemisia vulgaris.**
Counties 43, 48, 79, 86 & 103.

624 **A. maritima.**
53 Linc. south. Fowler.

627 **Gnaphalium dioicum.**
54 Linc. north. Fowler.
99 Dunbarton. Alcock.

630 **G. sylvaticum.**
Counties 54, 60, 79, 86 & 103.

632 **G. uliginosum.**
Counties 48, 79 86, and 103.

634 **Filago minima.**
Counties 54, 79 and 86.

635 **F. spathulata.**
11 Hants south. Groves.

635 **F. eu-germanica.**
Counties 43, 79 and 86.

636 **Petasites vulgaris.**
Counties 43, 79, 86 & 103.

637 **Tussilago Farfara.**
Counties 42, 43, 47, 48, 79, 86 (a *var.*) and 103.

639 **Erigeron acris.**
53 Lincoln south. Fowler.

641 **Aster Tripolium.**
Counties 53, 63, 86 and 103.

642 **Solidago Virgaurea.**
Counties 43, 44, 47, 48, 53 ! 54 ! 79, 86 and 103.

643 **Senecio vulgaris.**
Counties 43, 47, 48, 79 & 103.

644 **S. sylvaticus.**
Counties 35, 47, 48, 60, 79, 86 and 103.

645 **S. viscosus.**
69 Westm. (Walney Is.) Lees.

647 **S. erucifolius.**
35 Monmouth. Ley.
80 Roxburgh. Brotherston.

648 **S. Jacobæa.**
Counties 43, 47, 48, 79 & 103.

648 **S. aquaticus.**
Counties 35! 43, 47, 48, 79, 86 and 103.

652 **Cineraria campestris.**
53 Lincoln south. Streatfeild *spn.* 1873.

656 **Inula Conyza.**
54 Lincoln north. Lees.

658 **I. dysenterica.**
47 Montgomery. Ley.

661 **Chrysanthemum segetum.**
31 Hunts. Blow.
(Also 47, 48, 86 and 103 on *cat.* authority).

662 **C. Leucanthemum.**
Counties 43, 47, 48, 79 & 103.

663 **C. Parthenium.**
Counties 43, 47, 48, 54! and 79, all Alien.

664 **Tanacetum vulgare.**
54 Lincoln north! Fowler. Native in some localities, I think; but as certainly an escape in many others.
(Also counties 43, 47, 48, 60 and 103 on *cat.* authority.

665 **Matricaria inodora.**
Counties 47, 48, 79, 86 & 103.

666 **M. Chamomilla.**
80 Roxb.* Brotherston. Casual.
(Also counties 48, 60 and 86 * on *cat.* authority.

668 **Anthemis arvensis.**
54 Linc. north! Allen *spn.*

669 **A. Cotula.**
35 Monmouth. Ley.

670 **Achillea Ptarmica.**
Counties 47, 48, 79, 86 & 103.

671 **A. millefolium.**
Counties 43, 47, 48, 79 & 103.

675 **Campanula rotundifolia.**
Counties 5, 43, 47, 48, 79 and 103.

678 **C. latifolia.**
Counties 60 (Linton) and 79 on *cat.* authority.

680 **C. Trachelium.**
43 Radnor. Ley.
53 Lincoln south. Fowler.
54 Lincoln north! Fowler.

681 **C. glomerata.**
5 Somerset south. Lees.
34 Gloster west. Ley.

684 **C. hybrida.**
54 Lincoln north. Fowler.
68 Cheviotlnd.† Brotherston.

687 **Jasione montana.**
54 Lincoln north! Fowler. Truly wild on the sandy heaths of the Greensand, although I appended † to it when Mr. Fowler sent it me from the Oolite. F. A. L.
60 Lanc. west! Linton.
Also Counties 42, 43, 47, 48 on authority of Ley's catalogues in 1874-5.

689 **Lobelia Dortmanna.**
03 Ebudes mid. (Mull). Ross.

690 **Erica Tetralix.**
54 Lincoln north ! Fowler.
60 Lanc. west. Lees.
Also Counties 43, 47, 48, 79 and 103 by *cats.*

692 **E. cinerea.**
32 Northton. Druce.
54 Lincoln north ! Fowler.
60 Lanc. west. Lees.
Also 47, 48, 79 & 103 by *cats.*

695 **Calluna vulgaris.**
Counties 43, 47, 48, 54, 60 ! 79 and 103.

699 **Andromeda polifolia.**
44 Carmarthen. Jones.

701 **Arbutus Uva-ursi.**
57 Derby. Whitehead. Confir.

704 **Vaccinium Myrtillus.**
Counties 43, 47, 48, 60 ! 79 and 103 on authority of *cats.*
Not yet detected in N. Lincoln by myself or Mr. Fowler, though specially looked-out for during two seasons. It may of course survive in some moory place, yet it must be very rare.

705 **V. Vitis-idæa.**
35 Monmouth. Ley.
60 Lanc. west. Lees.
Also 79 and 103 on *cat.* auth.

706 **V. Oxycoccos.**
Cos, 47, 60 and 103 on *cat.* auth.

708 **Pyrola media.**
64 York mid-west. Foggitt
69 Westmoreland. Lees.

709 **P. minor.**
14 Sussex west. Roper.
54 Lincoln north. Lees.
86 Stirling. Croall.
08 Sutherland. Horn.

710 **P. secunda.**
35 Monmouth. Ley.

713 **Ilex aquifolium.**
Counties 43, 47, 48, 53 ! 60 and 79.
Not seen by Croall in 86, nor by Ross in 103.

715 **Fraxinus excelsior.**
Cos. 42, 43, 47, 48, 79 & 103.

718 **Gentiana verna.**
69 Westmoreland ! Todd.

719 **G. Pneumonanthe.**
64 York m.w. Parsons. Fowler.
This vice-county has so far rested on a mis-localisation. The "Kingsley sp." of *Top. Bot.* was from a station near York outside the West Riding.

721 **G. Amarella.**
44 Carmarthen. Jones.

722 **G. campestris.**
6 Som. n. Parsons. Cnfmn.
14 Sussex east. Roper.
Also 79 and 86, *cat. auct.*

724 **Erythræa Centaurium.**
Counties 47, 48, 60 and 103

725 **Chlora perfoliata.**
44 Carmarthen. Jones.
66 Durham.† Robson.

727 **Menyanthes trifoliata.**
34 Gloster west. Ley.
53 Lincoln south. Lees.
Also 79, 86 and 103 *cat. auct.*

729 **Convolvulus arvensis.**
Counties 60 and 103 (Ross *cat.*)

730 **C. sepium.**
48 Merioneth. Ley.
86 Stirling. Croall. Wild?
03 Eb. m. (Mull.) Ross. Wild?

731 **C. Soldanella.**
5 Somerset south. Huish.
44 Carmarthen. Jones.

732 **Cuscuta europæa.**
63 York s.w.† Roberts *sp.* on Vetch.
80 Roxb.† Brotherston. On *Vicia.*

735 **C. Trifolii.** Bab.
1 Corn. w. Curnow.' Wild.'
3 Devon s. E. C. Rep. '66.
8 Wilts south.* Rogers.
13 Sus. w. Warren. On nettle.
24 Bucks. E. C. Rep. '67.
26 Suffolk west. Ch. Bab.
32 Northton. Druce.
54 Lincoln north. Fowler.
63 York south-west. Parsons.
64 York mid-west. Abbott. On clover amongst Flax.
85 Fife. E. C. Rep. 1870
87 Perth w. E. C. Rep. '70.

737 **Solanum nigrum.**
48 Merioneth. Ley *cat.*
54 Lincoln north.† Fowler.

738 **S. Dulcamara.**
86 Stirling. Croall.

739 **Atropa Belladonna.**
7 Wilts north. Flower.
61 York south-east. Parsons.

740 **Verbascum Thapsus.**
54 Lincoln north. Fowler.

741 **V. Lychnitis.**
39 Stafford. Fraser.

743 **V. nigrum.**
63 York s.w.* West *spn.* Den.

744 **V. virgatum.**
24 Bucks.* E. C. Rep. '67.
32 Northton.* Druce.

744 **V. Blattaria.**
11 Hants south.* E. C. R. '71.

747 **Veronica arvensis.**
Counties 43, 47, 48, 79 and 103.

750 **V. eu-serpyllifolia.**
Counties 43, 47, 48 and 79

750 **V. humifusa.**
49 Carnarv.? Yes. Ley *spn.*

753 **V. scutellata.**
Counties 32, 54, 79, 86 and 103.

755 **V. Beccabunga.**
Counties 42, 43, 79, 86 and 103.

756 **V. officinalis.**
Counties 35, 43, 60 !, 79 & 103.

759 **V. hederifolia.**
53 Lincoln south. Fowler.

761 **V. polita.**
Counties 30, 35, 47, 48 and 80.

762 **V. Buxbaumii.**
16 Kent west.† Groves.

30 Bedford.* Blow. Groves.
35 Monmouth.* Ley.
48 Merioneth. Ley.
50 Denbigh.* Bailey.
53 Lincoln south.† Fowler.
54 Lincoln north.† Fowler.
69 Westmorland.* Bailey.
80 Roxburgh.* Brotherston.

764 **Bartsia viscosa.**
44 Carmarthen. Jones.

765 **B. Odontites.**
Counties 47, 48, 79, 86 and 103.

766 **Euphrasia officinalis**
Counties 47, 48, 79, 86 and 103.

767 **Rhinanthus Crista-galli.**
Counties 43, 47, 48, 79, 86 & 103.

767 **R. major,** Ehrh.
54 Lincoln north.† Fowler.

770 **Melampyrum pratense.**
53 Lincoln south! Fowler.
Also 43, 47, 48, 60, 79 and 103, *cat. auct.*

772 **Pedicularis palustris**
Counties 43, 47, 48, 53, 60, 79, 86 and 103.

773 **P. sylvatica.**
Counties 60, 79, 86 and 103

774 **Scrophularia nodosa**
Cos. 43, 47, 48, 79, 86 and 103.

776 **S. Scorodonia.**
4 Dev. n. (Lundy Is.) Rogers.

778 **Digitalis purpurea.**
Cos. 43, 47, 48, 53, 60, 79, 103.

780 **Antirrhinum Orontium.**
14 Sussex east.† Warren.
58 Chester.* Ward.
80 Roxburgh.† Brotherston.

782 **Linaria spuria.**
38 Warwick. Bagnall.
53 Lincoln south. Fowler.

783 **L. Elatine.**
53 Lincoln south! Fowler.
54 Lincoln north. Fowler.

785 **L. vulgaris.**
Counties 43, 47, 48, 79 and 86.

787 **L. minor.**
42 Breconshire. Ley.
44 Carmarthen.† Jones.

788 **Limosella aquatica.**
63 York south-west. Parsons.

793 **Orobanche eu-minor**
45 Pemb. Jones. Confirmn.

793 **O. Hederæ.**
44 Carmarthen. Jones.

797 **Lathræa squamaria.**
34 Gloster west. Ley.
35 Monmouth. Lees.
79 Selkirk. Farquharson *cat.*

798 **Verbena officinalis.**
31 Hunts. Blow.
(Also cos. 47 & 48 in Ley's cats.)

799 **Salvia Verbenaca.**
13 Sussex west. Warren.

802 **Mentha alopecuroides.**
17 Surrey.† E. C. R. '72-4.
86 Cheviotland.† Brotherston.

805 **M. piperita.**
54 Lincoln north. Lees.

806 **M. rubra.**
3 Devon s. E. C. Rep. '72-4.
38 Warwick. E. C. R. '72-4.
63 York south-west. E. C. R.
64 York mid-west. Lees.

806 **M. aquatica.**
Cos. 43, 47, 79, 86 and 103.

807 **M. sativa.**
8 Wilts south. Rogers.
32 Northton. Druce.
42 Breconshire. Ley.

808 **M. arvensis.**
Counties 43, 47, 48, 53 !, 60, 79 and 103.

809 **M. Pulegium.**
14 Sussex east. Warren.
61 York south-east ! Parsons.

810 **Thymus Serpyllum.**
Counties 47, 48, 60 and 103.

810 **T. Chamædrys.**
11 Hants south. Groves.
20 Herts. Blow.
30 Bedford. Blow.
32 Northton. Druce.
62 York north-east. Foggitt.
80 Roxburgh. Brotherston.

812 **Calamintha Acinos.**
32 Northton. Druce.
80 Roxburgh. Brotherston.

814 **C. menthifolia. (officinalis.)**
44 Carmarthen. Jones. Not extinct: an answer to Qy. in *Top. Bot.*, page 298.

818 **Teucrium Scorodonia.**
Counties 32, 43, 44, 47, 48, 53 ! (rare), 54 ! 60 and 103.

822 **Ajuga reptans.**
Counties 43, 60 ! 79, 86 & 103.

825 **Ballota ruderalis.**
14 Sussex east. Roper.

827 **Lamium Galeobdolon.**
43 Radnor. Ley *cat.*
47 Montgomery. Ley *cat.*
53 Lincoln south ! Fowler.

828 **L. album.**
Counties 43, 47, 60 and 79.

830 **L. amplexicaule.**
Counties 54, 79, 86 and 103

830 **L. intermedium.**
80 Roxburgh. Brotherston.

831 **L. purpureum.**
Cos. 35 ! 43, 47, 48, 79 & 103.

831 **L. incisum.**
Counties 54 and 80.

832 **Galeopsis Ladanum.**
Counties 32 and 50.

833 **G. ochroleuca.**
54 Linc. n.† Fowler. Colonist.

834 **G, Tetrahit.**
Cos. 35, 47, 48, 60, 79 & 103.

835 **G. versicolor.**
Counties 47, 48, 60, 79 and 103.

836 **Betonica officinalis.**
Counties 43, 47 and 48. Not yet

recorded for any new Scottish county: not in the *cats.* for Selkirk, Stirling or Mull.

837 **Stachys palustris.**
Counties 47, 48, 79, 86 and 103.

837 **S. ambigua.**
35 Monmouth. Ley.
36 Hereford. Ley.
42 Breconshire. Ley.
69 Lake Lanc. Lees.

838 **S. sylvatica.**
Cos. 42, 43, 47, 48, 79 and 103.

840 **S. arvensis.**
Counties 48, 53 and 54.
03 Mull. (Eb. mid.) Ross *spm.!*

841 **Glechoma hederacea.**
Cos. 43, 47, 48, 79, 86 and 103.

842 **Nepeta Cataria.**
6 Som. n. Painter. Cnfirmn.
31 Hunts, Blow.
54 Linc. north! Truly wild.
61 York south-east. Parsons.

844 **Prunella vulgaris.**
Cos. 47, 48, 79 and 103 *auct. cat.*

845 **Scutellaria galericulata.**
Counties 44, 53! 60, 79 & 103.

846 **S. minor.**
54 Lincoln north. Fowler.
03 Ebudes mid. Ross.

847 **Myosotis palustris.**
Counties 50, 79, 86 and 103.

848 **M. repens.**
6 Som. north. Parsons.
34 Gloster west. Ley.
35 Monmouth. Ley.
37 Worcester. Lees.
40 Salop. Jones.
54 Lincoln north! Fowler.
80 Roxburgh. Brotherston.

849 **M. cæspitosa.**
Counties 60, 79, 80 and 103.

851 **M. sylvatica.**
54 Lincoln north. Lees.
80 Roxburgh. Brotherston.

852 **M. arvensis.**
Cos. 42, 43, 47, 48, 79 and 103.

853 **M. collina.**
Counties 30, 60 and 80.

854 **M. versicolor.**
Counties 30, 69! 80, 86 & 103.

855 **Lithospermum officinale.**
Counties 35 and 54!

859 **Symphytum officinale.**
53 Lincoln south. Fowler.
80 Rox.† Brotherston. '*Patens.*'

860 **S. tuberosum.**
21 Middlesex.* Groves.
80 Roxburgh. Brotherston.
86 Stirling. Croall.

862 **Lycopsis arvensis.**
Counties 6, 11, 60, 79 and 86.

870 **Echium plantagineum.**
1 Corn. w. E. C. R. '72-4.

872 **Pinguicula vulgaris.**
Counties 60! and 103.

874 **P. lusitanica.**
8 Wilts s.? Yes. Rogers *sp.*
03 Ebudes mid (Mull). Ross.

875 **Utricularia vulgaris.**
36 Hereford. Ley.
53 Lincoln south! Fowler.

875 **U. neglecta.**
2 Cornwall east. Tellam.
15 Kent east. Blow.
18 Essex south. E. C. Rep. '76.
[33 Glos. e.? E. C. Rep. '67.]

877 **U. minor.**
13 Sussex west. Warren.
44 Carmarthen. Jones.

878 **Primula vulgaris.**
Counties 43, 47, 48, 53, 60! 79, 86 and 103.

880 **P. veris.**
Counties 43 and 60 on catalogue authority.

884 **Trientalis europæa.**
County 64 confirmed in 1877.

886 **Lysimachia vulgaris.**
32 Northton. Druce.

887 **L. thyrsiflora.**
59 Lanc. south.† Alcock.

889 **L. nemorum.**
Counties 43, 47, 48, 79 and 86.

890 **Anagallis arvensis.**
Counties 47, 48, 60, 86 and 103.

891 **A. tenella.**
34 Gloster west. Ley.
Also 47, 60 and 103 *cat. auct.*

892 **Centunculus minimus.**
63 York s.w. G. E. Smith.

893 **Samolus Valerandi.**
32 Northton. Blow.
64 York mid-west. Abbott.
03 Ebudes mid (Mull). Ross.

894 **Glaux maritima.**
53 Lincoln south. Fowler.
63 York south-west. Parsons.
03 Mid Ebudes (Mull). Ross.

895 **Armeria maritima.**
53 Lincoln south. Fowler.
Also 48 and 103 in the *cats.*

898 **Statice Bahusiensis.**
58 Chester. E. C. Rep. 1876.

899 **S. binervosa.**
69 Westmorland (Lake Lanc.) Hodgson. Very rare!

901 **Plantago major.**
Cos. 42, 43, 47, 48, 79 and 103.

903 **P. lanceolata.**
Cos. 42, 43, 47, 48, 79 and 103.

904 **P. maritima.**
63 York south-west. Parsons.

905 **P. Coronopus.**
53 Lincoln south! Fowler.
64 York mid-w. Lees. 'Rare.'
Also 48 and 103 in *cats.*

906 **Littorella lacustris.**
54 Lincoln north. Fowler.
80 Roxburgh. Brotherston.

908 **Chenopodium olidum.**
13 Sussex west. Warren.

909 **C. polyspermum.**
(81 Berwick.* Brotherston).

912 **C. murale.**
5 Somerset south. Gifford.

913 **C. hybridum.**
8 Wilts s.† Rogers. See p. 24.
(80 Roxburgh.* Brotherston).

914 **C. album.**
Cos. 43, 47, 48, 79 and 103.

917 **C. Bonus-Henricus.**
Cos. 32, 47, 48, 53, 60 and 79.

918 **Obione portulacoides.**
4 Devon north. Rogers.
53 Lincoln south. Fowler.

920 **Atriplex arenaria.**
11 Hants south. Groves.

922 **A. deltoidea,** Bab.
32 Northton. Druce.

923 **A. angustifolia.**
4 Devon north. Rogers.

924 **A. littoralis.**
53 Lincoln south. Fowler.
63 York south-west.* Parsons.

924 **A. marina.**
13 Sussex west. Warren.

926 **Salsola Kali.**
60 Lanc. west ! Linton *cat.*
03 Ebudes mid (Mull). Ross.

927 **Sueda maritima.**
03 Ebudes mid (Mull). Ross.

928 **S. fruticosa.**
(75 Ayr.* Horn.)

929 **Salicornia herbacea.**
Counties 48, 53 and 61 !

930 **S. radicans.**
3 Devon south. Rogers.

931 **Polygonum Bistorta.**
Counties 60 ! and 79† *cat. auct.*

934 **P. lapathifolium.**
86 Stirling. Croall.

935 **P. Persicaria.**
Counties 47, 48, 79, 86 and 103.

936 **P. mite.**
23 Oxford. Linton.

937 **P. Hydropiper.**
Counties 47, 53 ! 54 ! 79, 86 and 103.

938 **P. minus.**
44 Carmarthen. Jones.
87 Perth west. E. C. Rep. '75.

939 **P. aviculare.**
Counties 47, 48, 79 and 103.

940 **P. maritimum,** L.
4 Devon north. Rogers.

941 **P. Convolvulus.**
Cos. 47, 48, 60, 79, 86 and 103.

942 **P. dumetorum.**
11 Hants south. Buckell.

943 **Rumex Hydrolapathum.**
81 Berwick. Brotherston.
88 Perth mid. E. C. Rep. 1870.

943 **R. maximus,** Schreb.
2 Corn. east. E. C. Rep. '75.
8 Wilts s. Warner & Warren.

13 Sussex west. Jenner *spn.*
18 Essex south. E. C. R. '76.

944 **R. crispus.**
Counties 47, 48, 79 and 103

944 **R. aquaticus.**
80 Roxburgh. Brotherston.
81 Berwick. Brotherston.

944 **R. conspersus.**
80 Roxburgh. Brotherston.
81 Berwick. Brotherston.

945 **R. pratensis.**
80 Roxburgh. Brotherston.
87 Perth west. E. C. Rep. '75.
111 Orkney. E. C. Rep. '72-4.

947 **R. obtusifolius.** (Friesii).
Counties 35 (Ley) and 37 ! 42, 47, 48 and 79.

947 **R. sylvestris,** Wallr.
18 Essex south. E. C. R. '76.
20 Herts. Blow.
17 Perth w. E. C. Rep. '76.

948 **R. sanguineus.**
49 Carnarvon. Bailey.
'*Genuinus*,' Koch.'

948 **R. conglomeratus.**
Counties 30 (Blow) 69 ! & 103.

948 **R. rupestris,** Le Gal.
1 Corn. w. E. C. Rep. '75.
2 Corn. e. E. C. Rep. '76.
3 Devon s. E. C. Rep. '75.
Jersey. Blow.

949 **R. pulcher,**
4 Devon north. Rogers.
37 Worcester ! F. A. Lees.
(80 Rox.* Brotherston. Alien.)

950 **R. maritimus.**
26 Suffolk w. Ch. Babington.
42 Breconshire. Ley.
63 York south-west. Parsons.
68 Cheviotland. Brotherston.
81 Berwick.* Brotherston.

951 **R. Acetosa.**
Counties 42, 43, 47, 48, 79 and 103.

952 **R. Acetosella.**
Cos. 42, 43, 47, 48, 79 and 103.

954 **Hippophae rhamnoides.**
08 Sutherland west.† Horn.

962 **Euphorbia Helioscopia.**
Counties 47, 48, 60, 79, 86 and 103.

963 **E. platyphylla.**
64 York mid-west. West *sp !* As much a Colonist in sandy fields in 63 and 64 as in any other counties, I think. F. A. L.

969 **E. Paralias.**
44 Carmarthen. Jones.

971 **E. exigua.**
69 Westmorland. Bailey.

972 **E. Peplus.**
Counties 79, 86 and 103.

974 **E. amygdaloides.**
53 Lincoln south. Fowler.

976 **Mercurialis perennis.**
Counties 42, 43, 47, 48, 53, 60 ! 79 and 103.

977 **M. annua.**
26 Suffolk w. Ch. Babington.
(63 York south-west.* Jessop *sp!* Casual).
(80 Roxburgh.* Brotherston).

978 **Urtica urens.**
Counties 48, 79 and 103.

979 **U. dioica.**
Counties 42, 43, 47, 48, 79 and 103.

984 **Ulmus montana.**
Counties 42, 43, 47, 48 and 103.

988 **Quercus pedunculata.**
44 Carmarthen. Jones.
54 Lincoln north. Lees.
(Also 47, 48 and 86 in *cats.*

990 **Carpinus Betulus.**
3 Devon south.† Rogers.
32 Northton.† Druce.
54 Lincoln north.* Lees.

991 **Corylus Avellana.**
Counties 42, 43, 47, 48, 79, 86 *spn.*, and 103.

992 **Alnus glutinosa.**
Cos. 42, 43, 47, 48, 79 and 103.

993 **Betula verrucosa,** Ehrh.
53 Lincoln south. Lees.
54 Lincoln north. Lees.
00 Clyde Isles. Bailey.

993 **B. glutinosa, pubescens.**
35 Monmouth. Ley.
53 Lincoln south. Lees.
54 Lincoln north. Lees.

997 **Populus tremula.**
11 Hants south. Marquand.
35 Monmouth. Ley.
53 Lincoln south. Lees.
54 Lincoln north. Lees.
Also counties 43, 48, 79, 86 and 103 on the authority of catalogues only.

999 **Salix pentandra.**
54 Lincoln north. Fowler.
57 Derby. Bailey.
79 Selkirk. Brotherston.
80 Roxburgh. Brotherston.

1001 **Salix fragilis.**
Counties 42, 47 and 48

1003 **S. triandra.**
Counties 80 and 81 in Scotland.

1003 **S. undulata.**
17 Surrey. E. C. Rep. '67.
21 Middlesex. E. C. Rep. '67.
39 Stafford. Fraser.
77 Lanark. E. C. R. '72-4.
80 Roxburgh. Brotherston.
81 Berwick. Brotherston.

1005 **S. purpurea.**
Counties 11, 53! 54! 79 & 86.

1006 **S. rubra.**
Counties 39, 79 and 80.

1007 **S. stipularis.**
Counties 68, 80 and 81, *certe.*

1008 **S. ferruginea.**
63 York south-west.† Lees.
80 Rox. Brothn. '*Rugosa*' also.
87 Clackman. E. C. R. '75.

1010 **S. cinerea.**
Counties 61, 79, 86 and 103.

1011 **S. aurita.**
Counties 54, 60! 61! and 103.

1012 **S. caprea.**
Counties 53 and 60! 86 and 103.

1013 **S. nigricans.**
38 Warwick. E. C. R. '75 & '76
80 Roxb. Brotherston. 2 vars.

1014 **S. laurina.**
38 Warwick. E. C. Rep. '75.
99 Dunbarton. E. C. R. '72-4.

1015 **S. phylicifolia.**
79 Selk. Brothn. '*Weigeliana.*'
80 Roxburgh. Brotherston.
81 Berwick. Brotherston.

1016 **S. ambigua.**
54 Lincoln north. Lees.
61 York south-east! Parsons.
80 Roxburgh. Brotherston.
81 Berwick. Brotherston.

1017 **S. repens.**
16 Kent west. Groves.
53 Lincoln south! Fowler.
54 Lincoln north. Lees.
79 Selkirk. Farquharson *cat.*
80 Roxburgh. Brotherston.
03 Mull. Ross.

1028 **Myrica Gale.**
54 Lincoln north. Fowler.
Also 60, 79 and 103 *cat. auct.*

1029 **Pinus sylvestris.**
61 York south-east! Parsons. Still existent native, Dr. Parsons contends, on the ground of the present trees being immediate successors of unplanted trees; they recurring on one, if not two, sandy heaths, which are yet in aboriginal condition—not having been overlaid by peat as was the greater part of the sand beds near sea-level on all which the *Pinus* once grew in plenty.

1030 **Juniperus nana.**
03 Ebudes mid (Mull). Ross.

1031 **Taxus baccata.**
13 Sussex west. Oakeshott.
63 York south-west! Parsons.
03 Mull.* Ross.

1036 **Neottia Nidus-Avis.**
5 Somerset south. Lees.

1038 **Listera ovata.**
53 Lincoln south. Fowler.
Also 79 and 103 *cat. auct.*

1039 **Epipactis latifolia.**
Counties 53 and 103.

1042 **Cephalanthera ensifolia.**
87 Perth west. E. C. Report, '72-4.
98 Argyle, main. Ross.

1045 **Orchis Morio.**
53 Lincoln south. Fowler.

1046 **O. mascula.**
Counties 47, 48, 79 and 80.

1048 **O. ustulata.**
54 Lincoln north. Fowler.

1051 **O. pyramidalis.**
50 Denbigh. Bailey.

1052 **O. majalis.**
eu-latifolia.
53 Lincoln south. Fowler.
54 Lincoln north. Lees.
86 Stirling. Duthie.
03 Ebudes mid. Ross.

1052 **O. incarnata.**
8 Wilts south. Rogers.
20 Herts. Blow.
44 Carmarthen. Jones.
54 Lincoln north. Fowler.
59 Lanc. south. Lees.
61 York south-east. Parsons.
68 Cheviotland. Brotherston.
79 Selkirk. Brotherston.
80 Roxburgh. Brotherston.

1053 **O. maculata.**
Counties 43, 53, 79 and 103.

1054 **O. conopsea.**
79 Selk. Farquharson *cat.*
03 Ebudes mid. Ross.

1055 **Habenaria**
eu-bifolia.
11 Hants south. Groves.
15 Kent east. Crespigny.
44 Carmarthen. Jones.
54 Linc. north ! Fowler.
61 York south-east. Parsons.
69 Westmorland (Lake Lanc.) Parsons.
80 Roxburgh. Brotherston.
88 Perth mid. Ley.
03 Ebudes mid. Ross.

1055 **H. chlorantha.**
32 Northton. Druce.
49 Carnarvon. Ley.
53 Lincoln south. Fowler.
86 Stirling. Duthie.
88 Perth mid. Ley.
03 Ebudes mid. Ross.

1056 **H. viridis.**
3 Devon s. E. C. R. 1876.
03 Ebudes mid. Ross.

1057 **H. albida.**
03 Ebudes mid. Ross.

1059 **Herminium**
Monorchis.
6 Somerset north. Parsons: recently.

1063 **Malaxis paludosa.**
59 Lanc. south. Percival.
63 York s. w. ! Whitehead.

1072 **Allium**
Ampeloprasum.
1 Cornwall west. E. C. R. 1872-4.

1080 **A. Babingtonii.**
1 Corn. w. E. C. R. '72-4.

1082 **A. oleraceum.**
17 Surrey. E. C. Rep. '72-4.
44 Carmarthen. Oakeshott.
54 Lincoln north. Fowler.

1083 **A. vineale.**
43 Radnor. Ley.
14 Sussex east. Oakeshott.

1084 **A. schœnoprasum.**
2 Corn. e. Huish '*sibiricum.*'

1086 **A. ursinum.**
Counties 79, 89 and 103.

1087 **Gagea lutea.**
32 Northton. Druce.
86 Stirling. Croall.

1092 **Scilla autumnalis.**
4 Devon north. Rogers.

1093 **Hyacinthus non-scriptus.**
Counties 43, 47, 48 and 79.

1096 **Asparagus officinalis.**
45 Pem. Jones. '*prostratus.*'

1099 **Convallaria majalis.**
34 Gloster w. Ley. 'Wild.'

1102 **Polygonatum officinale.**
48 Merioneth. James Backhouse.

1103 **Paris quadrifolia.**
53 Lincoln south. Fowler.

1105 **Colchicum autumnale.**
54 Lincoln north. Fowler.

1107 **Hydrocharis Morsus-ranæ.**
61 York south-east. Parsons.

1110 **Alisma ranunculoides.**
53 Lincoln south. Fowler.

1115 **Triglochin maritimum.**
Counties 53 and 103.

1116 **T. palustre.**
32 Northton. Druce.

1117 **Scheuchzeria palustris.**
40 Salop. Jones.

1119 **Potamogeton flabellatus.**
53 Lincoln south. Fowler.

1121 **P. pusillus.**
Counties 60 and 69.

1122 **P. compressus. mucronatus,** Schrad.
32 Northton. Druce.
64 York mid-west. Lees.

1123 **P. obtusifolius.**
14 Sussex east. Roper.
32 Northton. Druce.
54 Lincoln north. Lees.
63 York south-west. Carr.
87 Perth west. E. C. Rep. 1875.

1126 **P. lucens.**
80 Roxburgh. Brotherston.

1127 **P. prælongus.**
80 Roxburgh. Brotherston.

1129 **P. heterophyllus.**
54 Lincoln north. Fowler.

1129 **P. nitens.**
68 Cheviotland. Brotherston.
80 Roxburgh. Brotherston.
81 Berwick E. C. R. 1876.
11 Orkney. E. C. Report 1872-4.

1131 **P. rufescens.**
11 Hants south. Groves.
54 Linc. north ! Fowler.
64 York mid-west ! Lees.

1132 **P. eu-natans.**
Counties 11, 14, 20, 32, 34, 53 ! 54 !, 62, 63 ! and 64 !

1133 **P. polygonifolius.**
Counties 16, 34, 54 ! 80 and 86.

1134 **P. plantagineus.**
54 Lincoln north. Lees.

1135 **Ruppia eu-spiralis.**
11 Hants south. Warren.

1135 **R. rostellata.**
1 Corn. w. Curnow, *spn.*
3 Devon s. E. C. R. 1876.
15 Kent east. E. C. R. 1875.
48 Merioneth. Ley.
58 Cheshire. Lewis.

1136 **Zannichellia eu-palustris. brachystemon**, Gay.
Some of the vice-counties given in *Top. Bot.* for the aggregate '*palustris*' are here repeated to indicate which segregate occurs.
8 Wilts south. Warren.
11 Hants s. E. C. R. 1876.
13 Sussex west. E. C. R. '76.
38 Warwick. E. C. R. 1876.
39 Stafford. Lees.
57 Derby. E. C. R. 1876.
62 York n. e. E. C. R. 1876.
64 York mid-west. Parsons.
80 Roxburgh. Brotherston.

1136 **Z. pedicellata**, Fr.
2 Corn. e. E. C. Rep. 1876.
13 Sussex west. Warren.
14 Sussex east. Warren.
15 Kent east. E. C. R. 1876.
16 Kent west. E. C. R. 1876.
63 York south-west! Parsons.
87 Perth west. E. C. R. 1876.

1136 **Z. polycarpa**, Nolte.
11 Orkney. E. C. Rep. '75.
Also 148 Belfast co. E.C.R.'76.

1137 **Zostera marina.**
03 Ebudes mid. Ross.

1140 **Lemna polyrhiza.**
16 Kent west. Groves.

1141 **L. trisulca.**
11 Hants south. Groves.

1142 **Arum maculatum.**
County 53 additional.

1142 **A. italicum.**
1 Cornw. west. Ralfs, &c.

1144 **Sparganium minimum.**
11 Hants south. Groves.
69 Westmorland. Bailey.

1145 **S. simplex.**
Counties 42, 60 and 69.

1146 **S. ramosum.**
Counties 53 and 86.

1148 **Typha angustifolia.**
8 Wilts south. Blow.
53 Linc. south! Fowler.

1151 **Juncus conglomeratus.**
Counties 42, 60 and 103.

1152 **J. glaucus.**
Counties 35 and 80.

1154 **J. maritimus.**
Counties 48 (Ley) & (70 Bailey).

1156 **J. acutiflorus.**
County 80 additional.

1157 **J. lamprocarpus.**
Counties 35, 86 and 103.

1159 **J. supinus.**
Counties 32, 35, 54 and 86.

1160 **J. cœnosus. Gerardi**, Lois.
11 Hants s. To ind. segreg.

[24 Bucks. (?) E. C. R. '67].
28 Norfolk west. Blow.
48 Merioneth. Ley.
61 York south-east! Parsons.
63 York south-west! Parsons.
69 Westm. (Lake Lanc.) Lees.

1160 **J. compressus**, Jacq.
[24 Bucks. (?) E. C. Rep. '67].
32 Northton. Druce.
55 Leicester. Mott.
63 York s.w.! G. E. Smith *spm.*
80 Roxburgh. Brotherston.

1162 **J. bufonius.**
Counties 48 and 103.

1164 **J. castaneus.**
97 Westerness. Sadler.

1169 **Luzula sylvatica.**
Counties 8, 43, 53, 60, 86, 103.

1170 **L. pilosa.**
Counties 43, 53, 86 and 103.

1171 **L. Forsteri.**
8 Wilts south. Rogers.

1172 **L. campestris.**
Counties 53, 60 and 86.

1173 **L. multiflora.**
Counties 8, 54, 80, 86, 103.

1178 **Cladium Mariscus.**
54 Linc. n. Fowler. Three locs.
02 Ebudes south. (Islay). E. C. R. 1872-4.

1179 **Schœnus nigricans.**
32 Northton. Druce.
54 Lincoln north. Fowler.
60 Lanc. west. Bailey.

1180 **Rhyncospora alba.**
8 Wilts south. Rogers.
54 Lincoln north! Fowler.
03 Ebudes mid. Ross.

1182 **Blysmus compressus.**
20 Herts. Crespigny.
32 Northton. Lewin & Druce.

1183 **B. rufus.**
54 Lincoln north. Fowler.

1184 **Scirpus lacustris.**
Counties 53, 60, 69, and 80.

1184 **S. glaucus. Tabernæmontani.**
42 Breconshire. Ley.
44 Carmarthen. Jones.
48 Merioneth. Ley.
63 York south-west. Parsons.

1184 **S. carinatus.**
2 Cornw. e. E. C. Rep. '75.
3 Devon. s. E. C. Rep. '75.

1185 **S. triqueter.**
2 Cornw. e. E. C. Rep. '75.
3 Devon s. E. C. Rep. '75.

1186 **S. sylvaticus.**
80 Roxburgh. Brotherston.

1187 **S. maritimus.**
63 York south-west! Parsons.
64 York mid-west. Parsons.
69 Westmorland. Bailey.
03 Ebudes mid. Ross.

1139 **S. setaceus.**
Cos. 53! 54! 60, 80 and 103.

1190 **S. Savii.**
03 Ebudes mid. Ross.

1191 **S. acicularis.**
42 Breconshire. Ley.

1192 **S. palustris.**
Counties 53 and 69 !

1193 **S. uniglumis.**
15 Kent east. E. C. Report 1870.

1194 **S. multicaulis.**
48 Merioneth. Ley.
54 Lincoln north. Lees.
63 York south-west ! Lees. 'Thorne Moor.'

1195 **S. pauciflorus.**
34 Gloster west. Ley.
42 Breconshire. Ley.
86 Stirling. Croall.

1196 **S. cæspitosus.**
Counties 54 and 60 !

1198 **S. fluitans.**
54 Lincoln north ! Fowler.

1200 **Eriophorum vaginatum.**
Counties 54 ! and 80.

1201 **E. latifolium.**
35 Monmouth. Ley.

1203 **Kobresia caricina.**
87 Perth west. E. C. Report 1872-4.

1204 **Carex dioica.**
03 Ebudes mid (Mull). Ross.

1205 **C. pulicaris.**
Counties 32, 35, 80, 86 & 103.

1206 **C. pauciflora.**
03 Ebudes mid (Mull). Ross.

1209 **C. stellulata.**
Counties 32, 43, 54, 60, 79, 80 and 103.

1211 **C. ovalis.**
Cos. 43, 53, 54, 60, 79, 80 & 86.

1212 **C. curta.**
Counties 79 and 86 (Croall).

1213 **C. elongata.**
38 Warwick. Bagnall.

1214 **C. remota.**
Counties 32, 42, 43, 53, 54, 80 and 103.

1215 **C. axillaris.**
11 Hants south. Groves.

1216 **C. Bœnninghausen-iana.**
58 Chester. Yes. Whitehead.
70 Cumberland. Hodgson *spn.*

1217 **C. intermedia.**
8 Wilts south. Rogers.
11 Hants south. Buckell.
80 Roxburgh. Brotherston.
86 Stirling. Duthie.

1218 **C. arenaria.**
Counties 60 ! 69 ! and 103.

1219 **C. divisa.**
63 York south-west ! Parsons.

1220 **C. muricata.**
Counties 8, 80 and 86.

1221 **C. divulsa.**
8 Wilts south. Rogers.

1222 **C. vulpina.**
Counties 69 (Lake Lanc !), 86 and 103.

1223 **C. teretiuscula.**
11 Hants s. Buckell. Jones.
80 Roxburgh. Brotherston.
98 Argyle main. Ross.
99 Dunbarton. Horn.

1224 **C. paniculata.**
Counties 54 !, 80 and 103.

1228 **C. vulgaris.**
Counties 45, 60, 80, 100 and 103.

1229 **C. rigida.**
48 Merioneth. Ley.

1230 **C. aquatilis.**
80 Roxburgh. Brotherston.
09 Caithness. Horn.

1230 **C. Watsoni.**
68 Cheviotland. Brotherston.
79 Selkirk. Brotherston.
81 Berwick. Brotherston.

1232 **C. acuta.**
32 Northton. Druce.
80 Roxburgh. Brotherston.

1234 **C. eu-flava.**
Counties 20, 32, 45, 48, 54 ! 69, 86 and 103.

1234 **C. lepidocarpa.**
Counties 3, 8, 35, 49, 54 ! 61.

1234 **C. Œderi.**
53 Lincoln south. F. A. Lees.
61 York south-east ! Parsons.
63 York south-west ! Carr.
96 Easterness. Ley.

1235 **C. extensa.**
54 Lincoln north. Fowler.
69 Westmorland. Bailey.

1236 **C. pallescens.**
49 Carnarvon. Ley.
53 Lincoln south. Fowler.
54 Lincoln north. Fowler.

1237 **C. fulva.**
Hornschuchiana.
32 Northton. Druce.
54 Lincoln north ! Fowler.
57 Derby. Whitehead.
03 Ebudes mid. Ross.

1237 **C. xanthocarpa.**
20 Herts. Blow.
11 Orkney. E. C. Rep. '76.

1238 **C. punctata.**
2 Cornw. east. Tellam *spn.* !
3 Devon s. E. C. Rep. '75.

1238 **C. distans.**
8 Wilts south. Rogers.
20 Herts. Blow.
35 Monmouth. Ley.
38 Warwick. Bagnall.
54 Lincoln north. Fowler.
63 York s.w. G. E. Smith *spn.* !
69 Westm. and Lake Lanc. Bailey.
03 Ebudes mid (Mull). Ross.

1239 **C. binervis.**
Counties 60 ! 80 and 103.

1240 **C. lævigata.**
43 Radnor. Ley.
49 Carnarvon. Ley.
57 Derby. Whitehead.
88 Perth mid. Ley.

1241 **C. panicea.**
Counties 32, 53, 54 ! 63, 86.

1243 **C. capillaris.**
64 York m.w. W. West *spn.*

1244 **C. eu-limosa.**
40 Salop. Jones.
63 York south-west! Parsons.
64 York mid-west! Lees.
80 Roxburgh. Brotherston.
81 Berwick. E. C. Rep. '75.

1247 **C. sylvatica.**
Counties 53! 54! 60 and 103.

1248 **C. pendula.**
5 Som. s. Lees. 'Cheriton.'

1249 **C. Pseudocyperus.**
32 Northton. Druce.
53 Lincoln south! Fowler.

1250 **C. glauca.**
Counties 48, 79, 86 and 103.

1251 **C. præcox.**
Counties 45, 80 and 86.

1251 **C. ericetorum.**
26 Suff. west. Bennett *spn.*

1252 **C. pilulifera.**
Counties 49, 54! 80 and 86.

1255 **C. digitata.**
57 Derby. Rogers and Percival *spn.*, 1878, to confirm the old record.

1255 **C. ornithopoda.**
57 Derby. Whitehead.

1256 **C. filiformis.**
80 Roxburgh. Brotherston.
81 Berwick. Brotherston.
96 Easterness. Ley.
03 Ebudes mid (Mull). Ross.

1257 **C. hirta.**
Counties 43, 53! 60, 61! 80 and 86.

1258 **C. ampullacea.**
Counties 35, 42, 54, 80 and 103 (Mull: Ross *spns.* some approaching, if not quite *involuta*, Bab.)

1259 **C. vesicaria.**
53 Lincoln south! Fowler.
80 Roxburgh. Brotherston.
03 Ebudes mid (Mull). Ross.

1260 **C. paludosa.**
Counties 53! 61! and 69 (Lake Lanc.)!

1261 **C. riparia.**
53 Lincoln south. Fowler.
57 Derby. Bailey.

1270 **Anthoxanthum Puelii.**
3 Dev. south.* E. C. R. '75.
17 Surrey.* Groves.
37 Worcester.* Fraser.
39 Stafford.* Fraser.
58 Chester.* E. C. Rep. '76.
80 Roxburgh.* Brotherston.

1274 **Phleum arenarium.**
44 Carmarthen. Jones.
69 Westm. (Lake Lake.) Lees. 'Walney.'

1276 **P. Boehmeri.**
30 Bedford. Blow & Groves.

1280 **Alopecurus fulvus.**
14 Sussex east. Warren.

1282 **A. agrestis.**
80 Roxburgh.† Brotherston.

1286 **Polypogon monspeliensis.**
(59 Lanc. s.* Lewis. Casual.)

1287 **Milium effusum.**
54 Lincoln north. Lees.
60 Lanc. west. Linton.
79 Selkirk. Soutter.
80 Roxburgh. Brotherston.

1290 **Agrostis canina.**
Counties 47, 48, 54, 79 & 80.

1291 **A. vulgaris.**
Counties 43, 47, 48, 79, 80, 86 and 103.

1292 **A. alba.**
Counties 42, 79, 80 and 103.

1295 **Arundo Calamagrostis.**
54 Lincoln north. Fowler.

1296 **A. Epigejos.**
14 Sussex east. Roper.
34 Gloster west. Flower.
69 Westm. (Lake Lanc.) Lees.

1299 **Sesleria cærulea.**
60 Lanc. west. Bailey.

1300 **Aira cæspitosa.**
Counties 8, 42, 43, 48, 79 and 103.

1301 **A. alpina.**
96 Easterness. Ley.

1302 **A. flexuosa.**
Counties 43, 47, 48, 54, 79, 86 and 103.

1032 **A. uliginosa.**
11 Hants s. Groves. Marquand.

1303 **A. caryophyllea.**
Counties 32, 35, 43, 47, 60, 79, 86 and 103.

1304 **A. præcox.**
Counties 4, 32, 43, 47, 48, 53, 54, 60, 79, 86 and 103.

1308 **Avena strigosa.**
80 Roxburgh.† Brotherston.
98 Argyle, main.† Ross.
03 Mull.* Ross.

1309 **A. pratensis.**
32 Northton. Druce.

1310 **A. pubescens.**
14 Sussex east. Roper.
35 Monmouth. Ley.
80 Roxburgh. Brotherston.
98 Argyle, main. Ross.
03 Ebudes mid (Mull). Ross.

1311 **Trisetum flavescens.**
Counties 60 and 79.

1312 **Arrhenatherum avenaceum.**
Counties 47, 48 and 79. *Not* marked by Ley as seen in 42 and 43; nor noted as a plant of 86; nor for 103.

1314 **Holcus mollis.**
Counties 4, 53, 79, 86 and 103.

1315 **Triodia decumbens.**
Cos. 32, 43, 48, 79, 86 & 103.

1316 **Koeleria cristata.**
54 Lincoln north! Fowler.
80 Roxburgh. Brotherston.
86 Stirling. Duthie.

1317 **Melica uniflora.**
Counties 42, 43, 47, 53, 54, 60, 79, 85 (E. C. R. '72-4), 86 and 103.

1318 **M. nutans.**
54 Lincoln north. Fowler.

1319 **Molinia cærulea.**
Counties 32, 47, 48, 79, 86 and 103.

1321 **Glyceria aquatica.**
Counties 61 !, 86 and 103.

1322 **G. fluitans.**
Counties 42, 43, 47, 48, 49, 60, 79 and 103.

1322 **G. plicata.**
35 Monmouth. Ley.
80 Roxburgh. Brotherston.
64 York mid-west. Lees.

1323 **Sclerochloa maritima.**
53 Lincoln south. Fowler.
54 Lincoln north! Fowler.
63 York south-west. Parsons.

1324 **S. distans.**
53 Lincoln south. Fowler.

1324 **S. Borreri.**
15 Kent east. Blow.

1325 **S. procumbens.**
15 Kent east. Blow.

1326 **S. rigida.**
35 Monmouth. Bailey.

1327 **S. loliacea.**
54 Linc. north ! Whitehead.

1330 **Poa alpina.**
64 York mid-west. Lees and West.

1331 **P. pratensis.**
Counties 43, 79 and 103.

1333 **P. compressa.**
54 Lincoln north! Fowler. Lees.

1334 **P. nemoralis.**
80 Roxburgh. Brotherston.
86 Stirling. Croall.

1335 **Briza media.**
Counties 47, 60, 79 and 86.

1337 **Cynosurus cristatus.**
Counties 44, 47, 48, 60 and 79.

1341 **Festuca sciuroides.**
32 Northton. Druce.
54 Lincoln north. Lees.
80 Roxburgh. Brotherston.

1341 **F. Pseudo-myurus.**
42 Brecon†. Ley.
(80 Roxb.* Brotherston).

1342 **F. ovina.**
Counties 32, 42, 43, 47, 48, 79 and 103.

1343 **F. duriuscula.**
Counties 49 and 86.

1345 **F. sylvatica.**
34 Gloster west. Ley.
35 Monmouth. Ley.
57 Derby. Whitehead.

1346 **F. elatior.**
Counties 35, 79 and 103.

1347 **F. pratensis.**
Counties 42, 79, 80 and 103.

1348 **Bromus giganteus.**
Counties 79, 80, 86 and 103.

1349 **B. asper.**
Counties 79, 86 and 103.

1350 **B. sterilis.**
Counties 42, 43, 79 and 80.

1353 **B. erectus.**
58 Chester.* Whitehead.
80 Roxburgh.* Brotherston.

1356 **B. commutatus.**
80 Roxburgh. Brotherston.

1357 **Brachypodium sylvaticum.**
Counties 43, 47, 60, 79, 80, 86 and 103.

1361 **Triticum pungens.**
11 Hants south. Groves.
53 Lincoln south. Fowler.

1361 **T. acutum.**
2 Cornwall west. E. C. Rep. 1876.
53 Linc. south. Fowler.
58 Cheshire. E. C. Rep. '75.

1362 **T. eu-junceum.**
3 Devon south. Rogers.
4 Devon north. Rogers.
18 Essex south. Crespigny.
49 Carnarvon. Druce.
53 Linc. south. Fowler.
66 Dur. Lees. '*Acutum*' also.
69 Westm. (Walney Is.) Lees.
03 Ebudes mid (Mull). Ross.

1365 **Elymus arenarius.**
61 York s. e. Lees. 'Spurn.'

1369 **Hordeum maritimum.**
53 Lincoln south. Fowler.

1370 **Nardus stricta.**
Counties 42, 43, 47, 48, 54! 60, 79 & 103.

1371 **Lepturus filiformis.**
53 Lincoln south. Fowler.
63 York south-west.† West.
85 Fife. E. C. Rep. 1872-4.

1373 **Woodsia ilvensis.**
48 Merioneth. Jas. Backhouse.

1374 **Polypodium vulgare.**
Counties 43, 48, 53! 79 & 103.

1375 **P. Phegopteris.**
5 Somerset south, vel. 8 Wilts south. Parsons. The station, just on the county boundary, is 'Below Alfred's Tower, near Bruton.'
35 Monmouth. Ley.

1377 **P. calcareum.**
37 Worcester. Fraser.

1379 **Cystopteris fragilis.**
6 Somerset north. Parsons.

1385 **Lastrea Thelypteris.**
54 Lincoln north! Fowler and Lees.

1386 **L. Oreopteris.**
8 Wilts south. Rogers.
35 Monmouth. Ley.
54 Linc. north! Fowler.

1390 **L. spinulosa.**
35 Monmouth. Ley.
53 Lincoln south. Fowler.
54 Linc. n! Fowler. Lees.

1391 **L. dilatata.**
Counties 43, 47, 48, 54, 60, 79, and 103.

1394 **Athyrium F. fœmina.**
Counties 32, 42, 43, 47, 48, 53, 79 and 103.

1395 **Asplenium viride.**
48 Merioneth. Ley.
63 York s. w.? Yes: Fowler *spn.* to Lees, but now, if not formerly, very rare.

1396 **A. Trichomanes.**
43 Radnor. Ley *cat.*, p. 86.
61 York south-west. Parsons.
79 Selkirk. Farquharson *cat.*
86 Stirling. Croall *cat.*, p. 149
03 Eb. mid (Mull). Ross *cat.*, p. 192.

1397 **A. marinum.**
44 Carmarthen. Oakeshott.

1398 **A. lanceolatum.**
63 York south-west! † Gatty.

1399 **A. Adiantum-nigrum.**
Counties 43, 48, 79, 86 and 103, according to the catalogues for those counties which the Record Club has published. Many botanists seem to regard this as amongst the commoner ferns: my experience in the N. of England leads me to look on it as amongst the rarer ones, rather having a very wide horizontal and vertical distribution. In mid-west, north-west, and south-west York it is very scarce, much less familiar than many far rarer species; if *ever* (which I doubt) so frequent as Floras seem to represent, it must have undergone a rapid process of extinction during the last fifteen years. Yet neither on rockeries, &c., under cultivation, is it at all as common in 'the county of broad acres' as further south and west.

1400 **A. Ruta-muraria.**
Counties 43, 60 and 103.

1401 **A. septentrionale.**
3 Dev. s. Roberts and Rogers.
48 Merioneth. Pugh & Pearce.

1402 **Scolopendrium vulgare.**
79 Selkirk. Farquharson *cat.*

1403 **Blechnum boreale.**
Counties 43, 60! 86 and 103.

1405 **Adiantum Capillus-Veneris.**
"6 Som. north?" *Top. Bot.*, p. 499. Anent this Dr. H. F. Parsons writes:—"I have known *Thalictrum saxatile* reported by mistake for this fern at *Cheddar!* Is *Adiantum* said to occur *elsewhere* in N. Somerset?"

1406 **Trichomanes radicans.**
48 Mer. J. Backhouse. 'Wild.'

1408 **Hymenophyllum unilaterale.**
86 Stir. Duthie *sp.* Croall *cat.*

1409 **Osmunda regalis.**
36 Hereford. Ley.
54 Lincoln north. Fowler.

1410 **Botrychium Lunaria.**
44 Carmarthen. Jones.
54 Lincoln north. Fowler.

1411 **Ophioglossum vulgatum.**
53 Lincoln south. Fowler.
86 Stirling. Croall.

1411 **O. ambiguum.**
1 Cornw. w. (Scilly). Tellam.
11 Orkney. Ex. C. Report, 1870.

1412 **Lycopodium clavatum.**
43 Radnor. Ley *cat.*, p. 86.
45 Pembroke. Jones.
54 Lincoln north ! Fowler.
03 Eb. mid (Mull). Ross.

1414 **L. inundatum.**
54 Lincoln north ! Fowler.

1415 **L. alpinum.**
45 Pembroke. Jones.
[54. Extinct. Has occurred on a sandy warren near Crosby—seen there in 1857 by Rev. W. Fowler, not since—but is almost certainly now destroyed.]

1416 **L. Selago.**
11 Hants s. H. and J. Groves !
42 Brecon. Ley *cat.*, p. 86.
45 Pembroke. Jones.

1417 **L. selaginoides.**
79 Sel. Farquharson *cat.*, p. 86.
03 Ebudes mid (Mull). Ross.

1418 **Isoetes lacustris.**
40 Salop. Phillips.
03 Ebudes mid (Mull). Ross. '*Echinospora?*'

1419 **Pilularia globulifera.**
63 York south-west ! Parsons.

1420 **Equisetum maximum.**
35 Monmouth. Ley.
54 Lincoln north ! Fowler.

1422 **E. arvense.**
Cos. 35, 42, 43, 79, 86 and 103.

1423 **E. sylvaticum.**
11 Hants south. Groves.
47 Montgom. Ley *cat.*, p. 146.
54 Lincoln north. Lees.
79 Selkirk. Farquharson *cat.*
86 Stirling. Croall.

1426 **E. hyemale.**
87 Clackman. (W. Perth). E. C. Report, '75.
96 Easterness. Croall *spn.*

INDEX-LIST

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